

~~TOP SECRET CHESS RUFF~~

MISSION 4010, 15-16 AUGUST 1964

NPIC/R-808/64

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OAK MISSION 4010

PREFACE

THIS IS THE FIRST AND ONLY OAK REPORT BASED ON MISSION 4010, WHICH WAS ACCOMPLISHED 15 AND 16 AUGUST 1964. THIS REPORT COVERS THE OAK-REPORTING PERIOD FROM 0800 TO 1600 HOURS, 21 AUGUST 1964 AND DEALS WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING ON THE COMOR TARGET LIST. IT PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. ALL COMOR TARGETS REPORTED ON MISSION 4010 ARE CONTAINED IN AN INDEX AT THE END OF THIS OAK REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK-REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATION OF TARGETS IN THIS REPORT IS INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES AND INDEX NUMBERS ARE INDICATED BY THE LETTERS FR. WHEN MORE THAN ONE FRAME/INDEX NUMBER IS LISTED, STEREO COVERAGE IS INDICATED. X AND Y COORDINATES ARE LISTED FOR THE BEST FRAME OF PHOTOGRAPHY. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS — C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMI-DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF PHOTOGRAPHY FROM MISSION 4010 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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Highlights

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HIGHLIGHTS

1. TYURATAM LAUNCH COMPLEX G [REDACTED]
LAUNCH COMPLEX G IS COVERED BY GOOD QUALITY PHOTOGRAPHY WITH SCATTERED CLOUDS. AN L-SHAPED ELECTRONIC FACILITY IS UNDER CONSTRUCTION BEHIND LAUNCH AREA G3-G4. LAUNCH AREA G8-G9 CONTAINS 2 ROAD-SERVED POSSIBLE SILOS.
2. PETROPAVLOVSK-KAMCHATSKIY NAVAL BASE BUKHTA [REDACTED]
TWENTY-TWO SUBMARINES ARE IDENTIFIED, INCLUDING ONE N-CLASS SSN, 2 PROBABLE N-CLASS SSN, 2 G-CLASS SSB, 11 F/Z-CLASS SS, 3 W/R-CLASS SS, ONE G-CLASS SSB IN TRANSPORTER DOCK, AND 2 UNIDENTIFIED SS.
3. VLADIVOSTOK SUBMARINE BASE ULISA BAY [REDACTED]
TEN SUBMARINES ARE IDENTIFIED, INCLUDING 5 W-CLASS SS AND 5 MV-CLASS SS.
4. VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 [REDACTED]
FIFTEEN SUBMARINES ARE IDENTIFIED, INCLUDING ONE PROBABLE G-CLASS SSB, 9 W-CLASS SS, 2 PROBABLE Z-CLASS SS IN TRANSPORTER DOCKS, ONE F/Z-CLASS SS, AND 2 W-LONGBIN SSG.
5. TALLINN AMM/SAM LAUNCH COMPLEX [REDACTED]
COMPLEX IS COVERED BY VERY GOOD QUALITY PHOTOGRAPHY. LAUNCH SITES APPEAR TO BE IN EARLY-TO-MID-STAGES OF CONSTRUCTION. THE PREVIOUSLY REPORTED DARK CIRCULAR OBJECTS ARE NOW EVIDENT AT 27 OF THE LAUNCH POSITIONS AND APPEAR TO BE EXCAVATIONS.
6. MAYKOP FIXED FIELD MRBM LAUNCH SITE (MISSILE BONUS)
THIS MISSION PERMITS CONFIRMATION OF THE SUSPECT FIXED FIELD SITE.
7. SIAULIAI AIRFIELD (COMOR M2A0004)
A PROBABLE ON-SITE ASM STORAGE AREA CONTAINS 16 PROBABLE KANGAROO ASM. AMONG AIRCRAFT OBSERVED ARE 5 POSSIBLE MANDRAKE.
8. ARTEM AIRFIELD NORTH [REDACTED]
A FENCED RECTANGULAR PROBABLE ON-SITE ASM STORAGE AREA CONTAINS 20 PROBABLE KENNEL ASM.
9. ULAN-UDE AIRCRAFT ASSEMBLY PLANT 99 [REDACTED]
AIRCRAFT OBSERVED ARE 3 PROBABLE AND 9 POSSIBLE MANDRAKE.
10. PALDISKI NAVAL BASE (NAVAL BONUS)
NINE PROBABLE Q-CLASS SS AND ONE POSSIBLE SHCH-4-CLASS SS ARE IDENTIFIED.

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11. GIZHIGA AD INSTALLATION

A POSSIBLE TALL KING RADAR IS UNDER CONSTRUCTION ONE NM NORTH OF GIZHIGA AIRFIELD.

12. CHOKURDAKH TALL KING RADAR

A TWIN TALL KING SITE IS NEWLY IDENTIFIED AND LOCATED 2.5 NM NNW OF CHOKURDAKH. AN ADDITIONAL UNIDENTIFIED ELECTRONIC FACILITY IS LOCATED WEST OF THE TALL KING SITE.

13. OSTROV GOLOMYANNYY, TALL KING RADAR (ELECTRONIC BONUS)

A TALL KING AND A POSSIBLE TALL KING ANTENNA ARE ON THE ISLAND.

14. TAYMYLYR TALL KING RADAR (ELECTRONIC BONUS)

A NEW TALL KING RADAR IS IDENTIFIED ONE NM WEST OF TAYMYLYR.

STATUS OF COMOR TARGET READOUT

A TOTAL OF 66 COMOR TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE COVERED IN PART I AND PART II.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES.

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 3 -- SAM AND AMM DEPLOYMENT
TABLE 4 -- NUCLEAR ENERGY ACTIVITY
TABLE 5 -- AIRCRAFT ACTIVITY
TABLE 6 -- SUBMARINE ACTIVITY
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 1. Soviet ICBM Deployment

Complex	Launch Area												Total Soft Sites	Total Hard Sites	Total Launch Positions	Last Effective Coverage
	A	B	C	D	E	F	G	H	I	J	K					
Drovyannaya	C	C	C	C	M	M							3	3	15	Aug 64
Gladkaya	C	C		M	E								2	2	10	Aug 64
Itaka	C	C	C										3		6	Aug 64
Kostroma	C	C	C	C	C	C	C	M					6	2	18	Jul 64
Kozelsk	C	C		C	C	L							3	2	12	Jul 64
Novosibirsk	C	C	L	C	C								3	2	12	Jul 64
Olovyannaya	C	L	L	E **										9	15	Aug 64
Omsk	C	E												2	6	Aug 64
Perm	C	C	C	C	C	L							5	1	13	Jul 64
Plesetsk*	C	C	C	C	C	M							9*	1	17	Jul 64
Shadrinsk	C	C	L											3	9	Aug 64
Svobodnyy	C	C	C	C	C	C	L	C					7	1	17	Aug 64
Tsykovo	C	C	C	C	C	C							6		12	Jul 64
Tyumen	C		C										2		4	Aug 64
Verkhnyaya Salda	C	C	C	C	C	C	C	C	C				7	2	20	Aug 64
Yedrovo	C	C	C	C	C	C	C	M	C				6	3	21	Aug 64
Yoshkar-Ola	C	C	C	C	C	C							6		12	Aug 64
Yurya	C	C	C	C	C	C	C	C	C	C	L		8	3	25	Jul 64
Zhangiz Tube	E	E												2	2	Jun 64
Deployment Total													76	38	246	
Tyuratam MTC	C	C	C	L	C	C	(M)	C	M	M	M		10	3 (1poss)	35 (2poss)	Jun 64
Grand Total													86	47 (1poss)	281 (2poss)	

*Includes Launch Points I-IV, complete ** Carried as Launch Group
Construction Status (C-complete, L-late, M-mid, E-early)

Covered by current mission

Newly identified

*Includes Launch Points (IV, complete ** Carried as Launch Group
Construction Status (C=complete, L=late, M=mid, E=early)

☐ Covered by current mission

☐ Newly identified

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	16	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	4	1	5	12	43
Far Eastern	11	1		2	14	54
Totals	137	16	21	21	195	759

Totals do not include 49 fixed field-type sites with total of 185 clearings and one launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

		Country															
		USSR	Albania	Bulgaria	Czechoslovakia		Hungary	Poland	Rumania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India	Totals
SA-0	SAM sites	13															13
SA-1		56															56
SA-2		916*	1	16	22	47	15	29	13	2	12	2	4	13*	24**	1	1,119
SA-3		93															93
SAM support facilities		183	1	2	5	4	3	5	3	1		1		3	6		217
Probable AMM complexes		3															3
AMM/SAM complexes		2***															2

*Does not include 4 alternate sites

***Includes 1 suspect complex.

**Does not include 22 abandoned sites.

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Airfield	Last Coverage	Previous Significant Aircraft Counts														Observed this Mission													
		RUON	RELE	RIDGE	BLINDER	BOYDER	WALDIE	MULLON	FOODLER	FITTER	PARADO	FINNIT	FINNIN	FINNIN	TITULA	BOON	BLIN	RIDGE	BLINDER	BOYDER	WALDIE	MULLON	FOODLER	FITTER	PARADO	FINNIT	FINNIN	FINNIN	TITULA
Aktinsk-Vladimirovka	Jun 64														31														
Belaya	Aug 64														57														
Anadyr-Lenska	Apr 64																												
Anzhero-Gudochinsk	Feb 64																												
Arkhangelsk-Kholm*	Feb 64																												
Artem North	Feb 64																	30										30	
Baramon (ch)	Aug 64			22	11										30														
Borova NB	Aug 64			9											9														
Belaya-Tsvetkov	Aug 64		2	32	69										74														
Bokrovsk*	Aug 64				50										50														
Bryansk*	Aug 64				11										11														
Bykhov*	Aug 64				14										53														
Chaplevsk*	Aug 64	21	30												36														
Dobyn*	Jun 64	4 B B													34														
Dunash Lake	Dec 63							141							14														
Engels*	Aug 64	34													36														
Gumel Proskh*	Aug 64			13	31										32														
Kaluga*	Jan 64			5											5														
Kaliningrad Province	Aug 64			41	27										35														
Komsomolsk Plt 128	Jan 64								201						20														
Kozan & C Plt 22	Aug 64			9	23										26														
Mal Yare	Jul 64			9	1										9														
Molokai	Mar 64			6										2	10														
Morsk-Makulishche*	Aug 64																												
Morgunov	Jul 64			33											33														
Moscow-Komarov	Aug 64	9 B B	25**	2	1										42														
Murdoch*	Aug 64																												
Narvik	Aug 64			26											26														
Nikolayev-Kalibakov	Dec 63			40											40														
Obukhovsk	Dec 63																												
Olesovsk	Jan 64			10											10														
Oresh-Nemovsk*	Jul 64			42											42														
Ostrov-Gorodkovsk	Aug 64			301											30														
Podgorsk-Volynsk	Mar 64																												
Polina*	Jun 64			53*											53														
Priluk*	Aug 64			292											29														
Romanovka West	Apr 64			20											24														
Ruzan-Dragolov	Jun 64	1 B B		48											49														
Saki	Dec 63																												
Sarabov	Mar 64			18											18														
Savotomsk	Mar 64			2											2														
Savotomsk*	Aug 64	29 B B													29	17	16				27	10	15*					54	
Savotomsk*	Aug 64			27											23														
Spinsk-Delov East	Feb 64			112											31														
Svetlov*	Jan 64			28											29														
Tarbo	Jul 64			281											26														
Ukraina*	Aug 64	42		16											64														
Ukrainian-Antichkovsk*	Mar 64			22					18						36														
Zhukovsk-Shumovsk*	Aug 64			2											2														
TOTALS	1,000	24	12	682	141	1	14	18	4	2	124	6	16	10	32	35												84	

* UNCLASIFIED WEAPONS STORAGE ** POSSIBLE *** PROBABLE **** VARIOUS CASES

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Table 6. Submarine Activity.

Base	Last Effective Coverage	Previous Submarine Count										Observed This Mission									
		SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100	SSBN, B-100
Halaklava	Aug 64																				
Dunay	May 64	1 P																			
Gorkiy	Jun 64																				
Khronstadt	Jul 64																				
Komsomol'sk	Aug 64	1 P																			
Leningrad	Jul 64																				
Lipaya	Jul 64																				
Litsa Bay	Aug 64																				
Magadan	Jun 64																				
Olenya Guba	Jul 64																				
Pechenga	Jun 64																				
Petropavlovsk-Kamchatskiy	May 64	1	1																		
Petrovka	Jun 64	1																			
Polyarny	Aug 64																				
Riga	Aug 64																				
Rosta	Jun 64																				
Sayd' Guba	Aug 64																				
Sevastopol	Aug 64																				
Severodvinsk	Aug 64	31																			
Severomorsk	Jun 64																				
Svetlansk Gavan	Aug 64																				
Strelak Strait	Sep 64	1																			
Ura Guba	Jul 64																				
Vladimir	Jun 64																				
Vladivostok	Jul 64																				
Yokanga	Jul 64																				
Pal'di-ki																					
TOTALS		7	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

*E-1 Class † POSSIBLE ‡ PROBABLE

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Missiles

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20A1**MISSILES**[] **TYURATAM LAUNCH COMPLEX G (SITES 7,11,12) UR 4604N 06256E**

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LAUNCH COMPLEX G IS COVERED BY GOOD QUALITY PHOTOGRAPHY WITH SCATTERED CLOUDS. ALL MAJOR ELEMENTS OF THE COMPLEX ARE COVERED, BUT CLOUDS OBSCURE SOME PORTIONS AND PRECLUDE STEREO VIEWING.

LAUNCH AREA G1-G2 -- THIS AREA IS NON-STEREO DUE TO CLOUDS. AT LEAST 3 PAIRS OF RAILS EXTEND FROM THE G2 READY BUILDING AND CONVERGE AS THEY APPROACH THE LAUNCH PAD. FOUR RAIL CARS ARE ON THESE RAILS. THESE ARE AT LEAST 9 VEHICLES/PIECES OF EQUIPMENT IN THE VICINITY OF THE READY BUILDING AT G1.

LAUNCH AREA G3-G4 -- THIS AREA IS COVERED BY GOOD QUALITY STEREO COVERAGE. AN L-SHAPED ELECTRONIC FACILITY IS UNDER CONSTRUCTION BEHIND THE LAUNCH AREA. THE LEGS ARE APPROXIMATELY 1,100 FT LONG. THE G4 SIDE OF THE AREA HAS A CLEAN, COMPLETED APPEARANCE, WHILE THE G3 SIDE IS STREWN WITH CONSTRUCTION MATERIALS AND EQUIPMENT.

LAUNCH AREA G5-G6 -- EXCEPT FOR THE BUILDINGS ALONG THE ACCESS ROAD, THE AREA IS NON-STEREO DUE TO CLOUDS. AN EARTH-MOUNDED PROBABLE CONTROL BUILDING IS LOCATED MIDWAY BETWEEN AND TO THE REAR OF THE LAUNCH PADS. AN UNIDENTIFIED OBJECT, PROBABLY CIRCULAR, IS IN THE CENTER OF EACH LAUNCH PAD. SEVERAL SMALL BUILDINGS, PROBABLY STORAGE AND TOOL/EQUIPMENT SHEDS, AND CONSTRUCTION MATERIALS CLUTTER THE AREA.

LAUNCH AREA G7 -- THE LAUNCH AREA IS DOUBLE FENCED. NO EVIDENCE OF CONCRETE WORK CAN BE DETECTED IN THE EXCAVATION CONTAINING THE SILO UNDER CONSTRUCTION. A PROBABLE LINER EXTENDS UPWARD FROM THE SILO CORING, AND A CYLINDRICAL OBJECT, PROBABLY A SILO LINER SEGMENT, IS ADJACENT TO THE EXCAVATION. THE BUILDING ALONG THE ACCESS ROAD IS STILL UNDER CONSTRUCTION.

LAUNCH AREA G8-G9 -- THIS AREA CONTAINS 2 ROAD-SERVED POSSIBLE SILOS. THE ACCESS ROAD INTO THE

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AREA TERMINATES IN A LOOP. THE SILOS ARE POSITIONED BESIDE STRAIGHT SEGMENTS OF THE LOOP ROAD AND ARE APPROXIMATELY 385 FT APART. THE INSIDE DIAMETER OF THE SILOS IS APPROXIMATELY 20 FT. THERE IS A SQUARE STRUCTURE BELOW GROUND LEVEL AT EACH SILO WHICH IS CONNECTED TO THE SILO BY A PROBABLE CONDUIT. DITCHES WERE PREVIOUSLY EXTENDED FROM THE EXCAVATION CONTAINING THE SQUARE STRUCTURE TO AN EXCAVATION CONTAINING A PROBABLE CONTROL BUNKER. A LINE DRAWN THROUGH THE TWO SILOS IS PARALLEL TO SIMILAR LINES DRAWN THROUGH ALL OTHER LAUNCH PADS AT COMPLEX G.

COMPLEX SUPPORT FACILITY, REVETTED STORAGE AREA,

DETAIL CAN BE SEEN IN THESE AREAS, BUT THERE IS NO SIGNIFICANT CHANGE

COORDINATES FOR SIGNIFICANT ITEMS FOLLOW --

COMPLEX SUPPORT FACILITY -- 61-9
LAUNCH AREA G1-G2 -- 64-10
LAUNCH AREA G3-G4 -- 63-6
LAUNCH AREA G5-G6 -- 64-11
LAUNCH AREA G7 -- 64-9
LAUNCH AREA G8-G9 -- 63-8
NUCLEAR WARHEAD FACILITY -- 62-15
REVETTED STORAGE AREA -- 61-13

(ATTACHMENTS 1-4)

GUSEV MRBM LAUNCH SITE 2 UR 5444N 02204E

LAUNCH SITE IS CLOUD COVERED.

ENTIRE SITE SUPPORT FACILITY IS OBSERVED AND CONSISTS OF 19 BUILDINGS, INCLUDING 4 GARAGES.

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ANASTASYEVKA MRBM LAUNCH SITE 1 UR 4835N 13538E

TWO LAUNCH PADS WITH ERECTORS VISIBLE IN LAUNCH SITE. APPROXIMATELY 35 BUILDINGS OF VARIOUS SIZES AND 10 PROBABLE VEHICLES VISIBLE IN SITE SUPPORT FACILITY. REMAINDER OF LAUNCH AREA IS CLOUD COVERED.

BAYRAM-ALI IRBM LAUNCH SITE UR 3746N 06212E

ONLY A FAINT OUTLINE OF THE LAUNCH AREA IS DISCERNIBLE ON POOR QUALITY PHOTOGRAPHY. NO ERECTORS ARE OBSERVED IN THE PADS AND NO VEHICLES ON THE ROAD NETWORK.

TAURAGE MRBM LAUNCH SITE 3 UR 5505N 02219E

ONE LAUNCH PAD WITH CABLE SCARS AND 2 SMALL ASSOCIATED BUILDINGS, PLUS A PORTION OF ONE MISSILE-READY BUILDING, IS VISIBLE WITHIN LAUNCH SITE. SIX CASCADE TANKS ARE VISIBLE IN A PORTION OF THE TECHNICAL SECTION.

A TOTAL OF 17 BUILDINGS (4 BARRACKS-TYPE, ONE RECTANGULAR BUILDING WITH A CUPOLA, 5 STORAGE-TYPE, AND 7 SMALLER BUILDINGS) ARE VISIBLE IN THE SITE SUPPORT FACILITY. TWO LONG, PARALLEL, EARTH-COVERED BUILDINGS, EACH WITH AN ASSOCIATED SMALL BUILDING, ARE PRESENT. FOUR LARGE BUILDINGS SITUATED ON A PARKING APRON, 4 BARRACKS-TYPE BUILDINGS, 3 OTHER LARGE BUILDINGS, AND SEVERAL SMALLER STRUCTURES ARE ALSO VISIBLE IN

KURDZHIPS KAYA MRBM LAUNCH SITE UR 4431N 04000E

COMPLETED TYPE II MRBM LAUNCH AREA HAS 4 ELONGATED PADS, EACH WITH AN ERECTOR. VEHICULAR ACTIVITY IS

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NOTED ON 3 OF THE PADS AND A POSSIBLE TRANSPORTER IS IN FRONT OF THE EASTERNMOST READY BUILDING. A ROW OF AT LEAST 6 VEHICLES IS PARKED WITHIN THE CLASS-C WARHEAD FACILITY AND APPROXIMATELY 12 VEHICLES ARE PARKED BETWEEN 2 GARAGES IN THE SITE SUPPORT FACILITY.

(ATTACHMENT 5)

SHIRVANSKAYA MRBM LAUNCH SITE UR 4425N 03954E

NO DECEPTIVE MEASURES ARE APPARENT AT THE LAUNCH SITE. EACH OF THE 4 SILOS HAS AN ASSOCIATED DOME-SHAPED COVER. THE COVERS ON THE NW SIDE OF THE SITE ARE COMPLETELY OPEN, THOSE ON THE SE SIDE ARE ONLY PARTIALLY OPEN. TWO VEHICLES ARE OBSERVED ON THE LOOP ROAD AND A POSSIBLE MISSILE TRANSPORTER AND AT LEAST 8 VEHICLES ARE LOCATED IN AND NEAR A PARKING AREA ADJOINING THE SITE ACCESS ROAD. WITHIN THE SITE SUPPORT FACILITY ONLY A FEW VEHICLES ARE DISCERNIBLE IN A PARKING AREA.

(ATTACHMENT 6)

UKA (KAMCHATKA PEN) HEN EGG UR 5756N 16201E

NO APPARENT CHANGE SINCE

PETROPAVLOVSK-KAMCHATSKIY NAVAL B BUKHTA UR 5255N 15830E

NO APPARENT CHANGE IN FACILITIES
JUL 63.

VESSELS -- ONE 350-FT N-CLASS SSN, 2 PROBABLE N-CLASS SSN AT LEAST 350 FT OVERALL, 2 G-CLASS SSB, 9 F/Z-CLASS SS, 3 W/R-CLASS SS, ONE POSSIBLE DON-CLASS AS, ONE NEVA-CLASS AS, ONE DD (PROBABLY OTLICHNYY),

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ONE 480-FT PROBABLE AS, ONE 305-FT PROBABLE ASL, ONE 350-FT BARRACKS SHIP, ONE TRANSPORTER DOCK OCCUPIED BY 2 AUXILIARIES, AND MISCELLANEOUS SMALL CRAFT.

VESSELS AT PETROPAVLOVSK NAVAL BASE, SELDEVAYA BAY -- ONE G-CLASS SSB IN TRANSPORTER DOCK, 2 F/Z-CLASS AND ONE AUXILIARY IN FLOATING DRYDOCK, 2 UNIDENTIFIED SS (CLASS COULD NOT BE DETERMINED DUE TO PROXIMITY TO OTHER VESSELS), ONE DD, ONE DE, AND MISCELLANEOUS SMALL CRAFT.

(ATTACHMENTS 7 & 8)

PETROPAVLOVSK-KAMCHATSKIY NAVAL MSL STOR UR 5256N 15823E

MISSILE STORAGE AND HANDLING AREA -- SECURED AREA CONTAINS 10 LONG, EARTH-MOUNDED, DRIVE-IN BUILDINGS (ONE STILL BEING EARTH MOUNDED), 3 SMALLER DRIVE-IN BUILDINGS, ONE DRIVE-THROUGH BUILDING, AND AT LEAST 10 TRAILERS PARKED IN AREA. ADJOINING AREA, SEPARATELY SECURED AND WITH SEPARATE ACCESS ROAD, CONTAINS ONE LONG EARTH-MOUNDED BUILDING, ONE HIGH-BAY BUILDING, AND ONE CIRCULAR EXCAVATION. UTILITY DITCHES, WHICH ARE STILL UNCOVERED, INDICATE AREA STILL UNDER CONSTRUCTION.

EXPLOSIVES STORAGE AREA -- NO APPARENT CHANGE IN FIXED FACILITIES MAR 64. AT LEAST 20 VEHICLES, TRAILERS, AND OTHER LINEAR OBJECTS IN AREA.

(ATTACHMENT 9)

PETROPAVLOVSK-KAMCHATSKIY NVL MSL SUPT UR 5257N 15825E

NO APPARENT CHANGE IN BERTHING FACILITIES SINCE

TOP SECRET CHESS RUFF25X1
ZDAI

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

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NO FLOATING CRANES PRESENT. ONE CRANE ON PIER.
VESSELS -- 3 SMALL AUXILIARIES AND 4 SMALL CRAFT.

VLADIVOSTOK SUBMARINE BASE ULISA BAY UR 4304N 13155E

NO MISSILE-RELATED FACILITIES OBSERVED.

VESSELS -- 5 W-CLASS SS, 5 MV-CLASS SS, AND 11
MINOR COMBATANTS.

VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 UR 4306N 13156E

VESSELS IN GOLDEN HORN BAY -- ONE PROBABLE G-CLASS SS8
IN FLOATING DRYDOCK, 8 W-CLASS SS, 2 PROBABLE Z-CLASS
SS IN TRANSPORTER DOCKS, ONE F/Z-CLASS SS, 2 W-LONGBIN
SSG (ONE IN DRYDOCK), 7 DD (ONE IN DRYDOCK), ONE DE,
AND NUMEROUS MERCHANT VESSELS AND SMALL COMBATANTS.

VESSELS IN DIOMID BAY -- ONE W-CLASS SS IN
FLOATING DRYDOCK AND ONE DD.

(ATTACHMENT 10)

TALLINN AMM/SAM LAUNCH COMPLEX UR 5924N 02419E

THE COMPLEX IS COVERED BY VERY GOOD QUALITY,
CLOUD-FREE STEREO PHOTOGRAPHY. NO MISSILES,
MISSILE-RELATED EQUIPMENT, OR ELECTRONIC
EQUIPMENT ARE OBSERVED.

LAUNCH SITES APPEAR TO BE IN EARLY-TO-MID-STAGES
OF CONSTRUCTION. LAUNCH POSITION REVETMENTS, SOME
LIGHT AND SOME DARK IN TONE, ARE IN VARYING STAGES
OF CONSTRUCTION. REVETMENT WALLS APPEAR TO BE

TOP SECRET CHESS RUFF

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EARTHEN. THEY ARE APPROXIMATELY [REDACTED]
 AVERAGE 35 FT WIDE AT THE BASE. TAPERING TO A [REDACTED] LAUNCH
 PAD SURFACING IS UNDERWAY. THE PREVIOUSLY
 REPORTED DARK CIRCULAR OBJECTS ARE NOW EVIDENT AT
 27 OF THE LAUNCH POSITIONS AND NOW APPEAR AS
 EXCAVATIONS. SOME ARE CIRCULAR AND APPROXIMATELY
 [REDACTED] AND OTHERS APPEAR SQUARE. TWO
 OF THE CENTRALLY LOCATED PROBABLE GUIDANCE AREAS
 ARE IN A MORE ADVANCED CONSTRUCTION STAGE THAN THE
 OTHERS AND ONE CONSISTS OF A SLIGHTLY ELEVATED
 REVETTED HARDSTAND. LAUNCH SITE SERVICE ROADS VARY IN
 APPEARANCE. AT LEAST TWO OF THE LOOP ROADS ARE
 IN A PRELIMINARY STAGE OF CONSTRUCTION. THE TWO
 RECTANGULAR APRONS WEST OF THE LAUNCH AREA ARE
 STILL UNDER CONSTRUCTION. THE FIVE HARDSTANDS
 AT THE UNIDENTIFIED FACILITY SE OF THE LAUNCH AREA ARE
 SLIGHTLY ELEVATED AND RAMP SERVED. AN OUTER
 SECURITY FENCE IS UNDER CONSTRUCTION ALONG THE
 NORTHERN AND WESTERN SIDES OF THE COMPLEX. VEHICLES/
 PIECES OF EQUIPMENT ARE OBSERVED IN THE LAUNCH AREA.

(ATTACHMENT 11)

[REDACTED]
 [REDACTED] ULAN-UDE SAM SITE B24-2 UR 5143N 10723E

COMPLETED SA-2 SAM SITE, LINK CONFIGURATION,
 CONTAINS 6 LAUNCH REVETMENTS (4 APPEAR TO HAVE
 LAUNCHERS AND 2 HAVE POSSIBLE LAUNCHERS), AN OCCUPIED
 GUIDANCE AREA, 3 PROBABLE HOLD POSITIONS, AND AN
 ON-SITE SUPPORT FACILITY.

OBLIQUITY PRECLUDES MENSURATION.

BONUS MAYKOP FIXED FIELD MRBM LAUNCH SITE UR 4432N 03957E

7.6 NM SW OF MAYKOP AND 2.5 NM WNW OF
 KURDZHIPS KAYA MRBM LAUNCH SITE.

LARGER SCALE COVERAGE PERMITS THE CONFIRMATION

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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25X1

OF THE MAYKOP SUSPECT FIXED FIELD SITE. THE SITE CONTAINS THREE PAD-LIKE CLEARINGS WITH AN ORIENTATION SIMILAR TO THAT OF THE NEARBY SOFT LAUNCH AREA ARRANGED ON A VERY IRREGULAR ROAD PATTERN. A SMALL OBJECT IS APPARENT ON THE WESTERNMOST PAD-LIKE CLEARING. A ROAD BLOCK OR GATE IS NOTED AT BOTH ENDS OF THE SITE ACROSS ROADS THAT CONNECT WITH THE APSHERONSK/MAYKOP HIGHWAY. JUST SOUTH OF THE SITE IS A LARGE CLEARING CONTAINING A PROBABLE READY TENT OR BUILDING. NO VEHICULAR ACTIVITY OBSERVED WITHIN THE SITE.

25X1

25X1

**Air
Facilities**

TOP SECRET CHESS RUFF

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AIR FACILITIES**SIAULIAI AIRFIELD UR 5553N 02323E**

AIRCRAFT -- 5 BISON, ONE POSSIBLE BISON, 16 BEAR, AND ONE BULL ON HARDSTANDS AND ALONG TAXIWAY. FIVE POSSIBLE MANDRAKE, 11 POSSIBLE FISHBED, ONE PROBABLE FLASHLIGHT, ONE MEDIUM UNIDENTIFIED, AND 19 SMALL UNIDENTIFIED ON SW PARKING APRON. FOUR POSSIBLE FISHBED ON GRASS JUST WEST OF SW PARKING APRON. FOUR BEAGLE, 3 PROBABLE BEAGLE, 10 FITTER, AND 2 POSSIBLE FITTER AT OLD AIRFIELD SITE. PROBABLE ON-FIELD ASM STORAGE AREA LOCATED APPROXIMATELY 4,000 FT NNE OF THE SE END OF RUNWAY CONSISTS OF SECURED AREA WITH ONE T-SHAPED BUILDING AND 16 PROBABLE KANGAROO ASM.

(ATTACHMENT 12)

SREDNIY AIRFIELD UR 7930N 09110E

SERVICEABLE 5,000 X 90/120 FT NW/SE GRADED EARTH RUNWAY OBSERVED WITH SMALL SOD PARKING APRONS AT WEST EDGE.

FACILITIES INCLUDE ONE ADMINISTRATION BUILDING, 4/5 BARRACKS-TYPE BUILDINGS, 20 MISCELLANEOUS SUPPORT BUILDINGS, AND OPEN STORAGE. NO AIR DEFENSES OBSERVED.

AIRCRAFT -- ONE COLT.

ARTEM AIRFIELD NORTH UR 4323N 13209E

FENCED RECTANGULAR PROBABLE ON-SITE ASM STORAGE AREA SOUTH OF LOOP HARDSTANDS CONTAINS 20 PROBABLE KENNEL ASM. THREE BUILDINGS, MISCELLANEOUS CRATES, AND OPEN STORES ARE VISIBLE IN THE ENCLOSURE.

AIRCRAFT -- ONE BADGER ON RUNWAY, 3 BADGER, 2 CAB,

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

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AND ONE LIGHT STRAIGHT-WING IN MAINTENANCE AREA,
26 BADGER AND 2 LIGHT STRAIGHT-WING ON HARDSTANDS,
AND ONE BEAGLE ON GRASS ON NORTH SIDE OF FIELD
OBSERVED IN CLOUD-FREE AREAS.

ULAN-UDE AIRCRAFT ASSEMBLY PLANT 99 UR 5151N 10744E

A LARGE ASSEMBLY/FABRICATION BUILDING AND A
CHECKOUT/MODIFICATIONS HANGAR HAVE BEEN COMPLETED
SINCE [REDACTED] EAST END OF
RUNWAY IS BEING EXTENDED.

AIRCRAFT -- 3 PROBABLE MANDRAKE AND 9
POSSIBLE MANDRAKE.

FU-CHIN AIRFIELD WEST CH 4712N 13156E

RUNWAY, TAXIWAYS, AND REVETMENTS APPEAR DETERIORATED
AND UNSERVICEABLE.

NO AIRCRAFT OBSERVED.

LU-CHOU AIRFIELD CH 2851N 10524E

SERVICEABLE, PROBABLY CONCRETE 5,450 X 175 FT
ENE/WSW RUNWAY.

NO NEW CONSTRUCTION, ELECTRONIC FACILITIES, OR
AIRCRAFT OBSERVED.

MENG-TZU AIRFIELD WEST CH 2324N 10319E

NO SIGNIFICANT CHANGES IN FACILITIES OBSERVED. NO
RADAR FACILITIES AND NO AIRCRAFT OBSERVED IN CLOUD-

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

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FREE AREAS.

YIN-CHUAN AIRFIELD CH 3830N 10608E

NO APPARENT CHANGE

NO RADAR FACILITIES AND NO AIRCRAFT OBSERVED.

KUN-MING AIRFIELD CH 2459N 10244E

NO CHANGE IN FACILITIES. NO RADAR OBSERVED.

**AIRCRAFT -- 20 FAGOT/FRESCO, ONE COOT, 2 CRATE,
ONE CAB, AND 3 COLT.**

VASALEMMA AIRFIELD UR 5916N 02412E

**AIRCRAFT -- 42 FAGOT/FRESCO ON HARDSTANDS ALONG
SOUTH TAXIWAY, 17 FAGOT/FRESCO ON TAXIWAY NORTH
OF RUNWAY, 5 PROBABLY DERELICT FAGOT/FRESCO JUST
OFF TAXIWAY NORTH OF RUNWAY, AND 2 PROBABLE COLT
ON HARDSTAND OFF SOUTH TAXIWAY.**

**SECURED STORAGE AREA APPROXIMATELY ONE NM NORTH OF
RUNWAY AND CONNECTED TO NORTH TAXIWAY CONTAINS ONE
LARGE AND 7 SMALL BUILDINGS.**

KISKUNLACHAZA AIRFIELD HU 4710N 01904E

**FIVE POSSIBLE SMALL AIRCRAFT OBSERVED ON HARDSTANDS.
REMAINDER OF AREA IDENTIFICATION ONLY (EXTREME EDGE OF
FRAME).**

25X1
ZSAI

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

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GUDAUTA AIRFIELD UR 4306N 04035E

PROBABLE GCI SITE WEST OF SOUTH RUNWAY END.

**AIRCRAFT -- ONE CAT/CUB, 10 FLASHLIGHT,
30 FAGOT/FRESCO, AND ONE HOUND.**

BUDAPEST/TOKOL AIRFIELD HU 4721N 01859E

AIRCRAFT -- 2 CRATE.

**NO ELECTRONIC OR COMMUNICATIONS FACILITIES
OBSERVED IN CLOUD-FREE AREAS.**

WARSAW/BOERNEROWO AIRFIELD PO 5216N 02055E

**AIRCRAFT -- ONE BEAGLE, 9 FAGOT/FRESCO, 3 POSSIBLE
FAGOT/FRESCO, 2 SMALL STRAIGHT-WING, AND 2 HOUND.**

NO ELECTRONICS OBSERVED.

KHANSKAYA AIRFIELD UR 4440N 04002E

**TWO PARALLEL NE/SW SERVICEABLE RUNWAYS. NORTH --
7,700 X 130/230 FT CONCRETE. SOUTH -- 7,700 X 220 FT
PREPARED-SURFACE/SOD WITH 1,000 FT OVERRUN TO SW AND
AN ADDITIONAL 1,500 FT TO THE SW OUTLINED BUT NOT IN
USE.**

**ILS OBSERVED OFF SW END OF CONCRETE RUNWAY. POSSIBLE
GCI SITE NEAR TAXIWAY AT EAST END OF PARKING RAMP.**

**AIRCRAFT -- ONE CAB AND 71 FAGOT/FRESCO (3 WITH AFT
SECTIONS REMOVED).**

25X1
25X1

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25X1

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25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

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UGLOVOYE AIRFIELD NORTHWEST UR 4320N 13203E

NO NEW COMMUNICATIONS OR ELECTRONIC FACILITIES OBSERVED.

SMALL SECURED PROBABLE AAM FACILITY, LOCATED APPROXIMATELY ONE NM NE OF NE END OF RUNWAY AND CONNECTED BY ROAD TO AIRFIELD, CONTAINS ONE LARGE AND 2 SMALL DRIVE-THROUGH BUILDINGS SEPARATED BY PROTECTIVE BLAST WALLS AND THREE ROWS OF UNIDENTIFIED EQUIPMENT.

AIRCRAFT -- 14 FISHBED/FISHPOT, 8 POSSIBLE FISHBED/FISHPOT, 6 FITTER, 3 POSSIBLE FITTER, 3 FAGOT/FRESCO, 12 SWEEP-WING FIGHTER, ONE CRATE, ONE CAB, ONE CREEK, ONE COLT, AND 4 HOUND.

FOKTO AIRFIELD HU 4633N 01856E

AIRCRAFT -- 2 HOOK, 9 HOUND, AND ONE POSSIBLE HOUND WITHOUT ROTOR.

NO ELECTRONIC OR COMMUNICATIONS FACILITIES OBSERVED.

PREZE AIRFIELD AL 4125N 01944E

FOUR POSSIBLE AIRCRAFT AND ONE UNIDENTIFIED LIGHT AIRCRAFT TAKING OFF.

NO ELECTRONIC OR COMMUNICATIONS FACILITIES OBSERVED.

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

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TIRANA AIRFIELD AL 4120N 01947E

AIRCRAFT -- 4 CREEK.

**NO ELECTRONIC OR COMMUNICATIONS FACILITIES
OBSERVED.**

BELUSHYA GUBA AIRFIELD UR 7137N 05230E

**ONLY BASE SUPPORT FACILITIES VISIBLE THROUGH HAZE
AND HEAVY CLOUDS.**

NO ELECTRONIC OR COMMUNICATIONS OBSERVED.

**AIRCRAFT -- 5 BEAGLE, ONE PROBABLE LIGHT STRAIGHT-
WING, AND ONE POSSIBLE HELICOPTER.**

PARNU AIRFIELD UR 5825N 02428E

**POSSIBLE GCI SITE EAST OF CENTER OF MAIN RUNWAY.
NE PORTION OF AIRFIELD CLOUD COVERED.**

AIRCRAFT -- 10 FLASHLIGHT AND 15 FARMER.

ARTEM AIRFIELD NORTHWEST UR 4322N 13209E

**CLOUD COVER PRECLUDES DETERMINATION OF CHANGES TO
FACILITIES, RADAR, OR COMMUNICATIONS INSTALLATIONS.**

**AIRCRAFT -- 3 PROBABLE COLT, 3 HOUND, AND 9 PROBABLE
SMALL HELICOPTERS OBSERVED IN CLOUD-FREE AREAS.**

25X1
25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

**Naval
Activity/
Ports**

TOP SECRET CHESS RUFF

MISSION 4010, 15-16 AUGUST 1964

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NAVAL ACTIVITY/PORTS

BONUS PALDISKI NAVAL BASE UR 5920N 02404E

NO APPARENT CHANGE IN SHORE FACILITIES SINCE

**VESSELS -- 9 PROBABLE Q-CLASS SS AND ONE POSSIBLE
SHCH-4-CLASS SS.**

(ATTACHMENT 13)

25X1

25X1

25X1

25X1

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**Electronics/
Communications**

TOP SECRET CHESS RUFF

MISSION 4010, 15-16 AUGUST 1964

NPIC/R-808/64

ELECTRONICS/COMMUNICATIONS

UGLOVAYA ELECTRONIC SITE UR 4324N 13211E

NO ELECTRONIC SITE OBSERVED. AREA PARTIALLY CLOUD COVERED.

YENISEYSK SUSPECT TROPO SCATTER STATION UR 5829N 09159E

AREA COVERED BY CLOUD-FREE PHOTOGRAPHY. NO TROPO SCATTER STATION OBSERVED.

CHOKURDAKH TALL KING RADAR UR 7039N 14751E

A NEWLY IDENTIFIED TWIN TALL KING SITE IS LOCATED AT 70-39-20N 147-51-10E, 2.5 NM NNW OF CHOKURDAKH. EACH OF THE TALL KING ANTENNAS IS MOUNTED ON A SUPPORT BUILDING AND EACH HAS AN ADJACENT CONTROL BUILDING, 6 REVETTED HORIZONTAL STORAGE TANKS, 2 GENERATOR BUILDINGS, AND SEVERAL OTHER SMALL UNIDENTIFIED STRUCTURES. ADDITIONAL SUPPORT FACILITIES LOCATED 0.5 NM WNW OF THE TALL KING SITE INCLUDE 4 MEDIUM-SIZED BUILDINGS AND APPROXIMATELY 13 SMALL UNIDENTIFIED STRUCTURES.

WEST OF THE TALL KING SITE, AN UNIDENTIFIED ELECTRONIC FACILITY IS LOCATED AT 70-39-10N 147-49-05E. AREA CONTAINS ONE CONTROL-TYPE BUILDING WITH 3 ADJACENT POSITIONS EQUALLY SPACED ALONG A ROAD FROM THE CENTRAL-TYPE BUILDING. EACH POSITION CONTAINS A BUILDING OR STRUCTURE. JUST WEST, THERE ARE 2 BUILDINGS WHICH APPEAR TO BE CONNECTED BY A CABLE CONDUIT AND ARE ARRANGED SIMILARLY TO THE LARGER BUILDINGS AT THE TALL KING SITE. HOWEVER, THESE BUILDINGS HAVE GABLE ROOFS IN CONTRAST TO FLAT ROOFS AT THE TALL KING SITE.

(ATTACHMENTS 14 & 15)

TOP SECRET CHESS RUFF

25X1
25X1

25X1

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25X1

TOP SECRET CHESS RUFF

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GIZHIGA AD INSTALLATION UR 6150N 16032E

A POSSIBLE TALL KING RADAR IS UNDER CONSTRUCTION AT 61-50N 160-13E, ONE NM NORTH OF THE GIZHIGA AIRFIELD. THE FACILITY CONSISTS OF TWO BUILDINGS UNDER CONSTRUCTION WITHIN A POSSIBLY SECURED AREA. CONSTRUCTION MATERIALS ARE SCATTERED THROUGHOUT THE AREA. A TOWER RADAR IS LOCATED ATOP A MOUND AT 61-51N 160-32E, 2 NM NE OF THE AIRFIELD.

BONUS 1 TAYMYLYR TALL KING RADAR UR 7236N 12151E

ONE NM WEST OF TAYMYLYR.

TALL KING SITE CONSISTS OF 6 HORIZONTAL FUEL STORAGE TANKS, ONE GENERATOR BUILDING, ONE SUPPORT BUILDING WITH TALL KING ANTENNA, AND ONE CONTROL BUILDING.

BONUS 2 OSTROV GOLOMYANNYY, TALL KING RADAR UR 7932N 09040E

6 NM WEST OF OSTROV SREDNIY AIRFIELD.

SITE CONTAINS A TALL KING ANTENNA IN THE EASTERN AREA AND A POSSIBLE TALL KING IN THE WESTERN AREA. EACH AREA CONTAINS A TALL KING SUPPORT BUILDING, A ROW OF 6 FUEL STORAGE TANKS, AND 2 SMALL GENERATOR BUILDINGS. CABLES CONNECT THE SUPPORT AND CONTROL BUILDINGS.

(ATTACHMENT 16)

TOP SECRET CHESS RUFF

**Military
Activity**

TOP SECRET CHESS RUFF

MISSION 4010, 15-16 AUGUST 1964

NPIC/R-808/64

MILITARY ACTIVITY

CHIN-PING ARMY BARRACKS COMPLEX CH 2247N 10314E

COMPLEX IS 90 PERCENT CLOUD COVERED. ONE PROBABLE CAMP OBSERVED AT 22-48N 103-14E CONTAINS 19 BARRACKS/ SUPPORT BUILDINGS, 4 MESS HALLS, 10 STORAGE-TYPE BUILDINGS, AND OTHER SMALL BUILDINGS.

NO INDICATION OF PERSONNEL OR SUPPLY BUILDUP. NO VEHICLES OBSERVED.

BATUMI ARMY BARRACKS EAST UR 4139N 04139E

AREA APPEARS OCCUPIED AND IN USE. NO TANKS OBSERVED.

BATUMI ARMY BARRACKS GOGOL UL UR 4138N 04140E

AREA APPEARS OCCUPIED AND ACTIVE. NO TANKS OBSERVED.

BATUMI ARMY BARRACKS WEST UR 4138N 04137E

AREA IS OCCUPIED AND ACTIVE. NO TANKS OBSERVED.

BAYRAM-ALI ARMY BARRACKS SOUTHEAST UR 3737N 06210E

AREAS OCCUPIED AND IN USE.

ACTIVITY -- 15 POSSIBLE TANKS AND 60 TRUCKS.

25X1

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25X1

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25X1

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TOP SECRET CHESS RUFF

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PALDISKI ARMY BARRACKS KLOOGA WEST UR 5919N 02413E

AREA 50 PERCENT CLOUD COVERED.

INSTALLATION IS OCCUPIED AND IN USE.

ACTIVITY -- 46 PROBABLE TANKS/SP GUNS.

IMMEDIATELY WEST IS A DRIVER-TRAINING COURSE.

GUSEV ARMY BARRACKS NORTHEAST UR 5435N 02212E

VISIBLE PORTION OF BARRACKS AREA APPEARS OCCUPIED
AND IN USE. NO TANKS OBSERVED.

ULAN-ODE ARMY BARRACKS UDA RIVER SOUTH UR 5149N 10744E

SECURED INSTALLATION IMMEDIATELY SOUTH OF THE
UDA RIVER CONTAINS AT LEAST 15 BUILDINGS.

AREA APPEARS ACTIVE AND IN USE. NO TANKS OBSERVED.

ULAN-ODE BARRACKS AND HQ 71ST TANK DIV UR 5154N 10731E

AREA IS OCCUPIED AND IN USE. NO TANKS OBSERVED.

PARNU ARMY BARRACKS UR 5822N 02433E

NO BARRACKS OR TENT AREA OBSERVED AT THESE
COORDINATES.

25X1
25X1

25X1

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TOP SECRET CHESS RUFF

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[REDACTED] RIGA ARMY BARRACKS UR 5659N 02409E

AREA IS OCCUPIED AND IN USE. NO TANKS OBSERVED.

[REDACTED] RIGA ARMY BARRACKS BUKULTI UR 5700N 02415E

AREA APPEARS OCCUPIED AND IN USE. NO TANKS OBSERVED.

[REDACTED] RIGA BARRACKS AND MANEUVER AREA ROPAZI UR 5706N 02422E

BARRACKS AREA CLOUD COVERED.

MANEUVER AREA APPEARS TO HAVE BEEN USED RECENTLY, BUT NO CURRENT ACTIVITY OBSERVED. NO TANKS OBSERVED.

[REDACTED] SEVERO-KURILSK ARMY BARRACKS WEST UR 5041N 15607E

AREA OCCUPIED. NO VEHICLES OBSERVED.

[REDACTED] SEVERO-KURILSK ARMY BARRACKS SOUTH UR 5040N 15608E

AREA OCCUPIED. NO VEHICLES OBSERVED.

[REDACTED] CHERNYAKHOVSK TRAINING AREA UR 5437N 02150E

HOUSING AND BIVOUAC AREAS CLOUD COVERED. NO VEHICLES OBSERVED, BUT TRACKS IN THE AREA INDICATE RECENT USE.

25X1

25X1

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25X1

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25X1

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25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

MISSION 4010, 15-16 AUGUST 1964

NPIC R-808/64

25X1
25X1

GUSEV ARMY TRAINING AREA UR 5437N 02215E

VISIBLE PORTION OF HOUSING AREA APPEARS OCCUPIED.
LEVEL OF ACTIVITY IN TRAINING AREA VARIES FROM NONE
TO LIGHT. NO VEHICLES OBSERVED.

25X1

25X1

ULAN-UDE ARMY SUPPLY DEPOT UDA RIVER S UR 5149N 10741E

LOCATED ON ESE EDGE OF ULAN-UDE, THIS RAIL-SERVED
INSTALLATION COVERS 190 ACRES AND CONTAINS 56
WAREHOUSES. A SUPPORT AREA IMMEDIATELY SOUTH
CONTAINS AT LEAST 12 BUILDINGS.

AREA APPEARS TO BE ACTIVE. NO VEHICLES OBSERVED.

25X1

25X1

ULAN-UDE ARMY SUPPLY DEPOT UR 5149N 10736E

RAIL-SERVED SUPPLY DEPOT, LOCATED IN THE CENTER OF
ULAN-UDE, CONTAINS 39 WAREHOUSES, AND 4 MEDIUM AND
2 SMALL POL TANKS.

FACILITY APPEARS TO BE ACTIVE. NO VEHICLES OBSERVED.

25X1

25X1

25X1

25X1

Complexes

TOP SECRET CHESS RUFF

MISSION 4010, 15-16 AUGUST 1964

NPIC/R-808/64

25X1
25X1COMPLEXES

[] KUN-MING COMPLEX CH 2504N 10241E

25X1

MAJOR INDUSTRIAL FACILITIES NOTED IN CLOUD-FREE AREAS. INCLUDE A CEMENT PLANT (INDUSTRIAL SMOKE EVIDENT), A COPPER REFINERY, A COPPER SMELTER, AND SEVERAL UNIDENTIFIED FABRICATION PLANTS, ALL ON THE NORTH AND WEST SIDES OF THE CITY. TWO LARGE MILITARY DEPOTS ARE LOCATED NEAR THE AIRFIELD AND SEVERAL MILITARY AREAS ARE EVIDENT IN THE CITY COMPLEX.

A NEW RAILROAD WHICH BYPASSES THE CITY ON THE SOUTH SIDE IS UNDER CONSTRUCTION. IT WILL PASS THROUGH A NEW TUNNEL UNDER CONSTRUCTION.

HEAVY-TO-SCATTERED CLOUDS COVER MOST OF THE EASTERN OUTSKIRTS OF THE COMPLEX.

25X1

[] TYUMEN COMPLEX UR 5709N 06533E

25X1

COMPLEX COVERS APPROXIMATELY 10 SQ NM. NEW CONSTRUCTION [] APR 63, INCLUDES THE FOUNDATION FOR A LARGE PROBABLE FABRICATION-TYPE BUILDING ON THE SW EDGE OF TOWN AND A BRIDGE UNDER CONSTRUCTION IN THE CENTER OF TOWN. NO CHANGES TO THE MAJOR FACILITIES AND NO ADDITIONAL SIGNIFICANT FEATURES [] A POWER PLANT IN OPERATION, NUMEROUS BARGES ON THE RIVER, AND AIRCRAFT AT TYUMEN AIRFIELD INDICATE NORMAL LEVEL OF INDUSTRIAL AND MILITARY ACTIVITY.

25X1

25X1

AIRCRAFT -- ONE CRATE, 10 CAB, 22 COLT, 11 SMALL LIAISON, 4 HOOK, 8 HOUND, AND ONE HARE.

EXCELLENT STEREO PHOTOGRAPHY COVERS THE ENTIRE COMPLEX.

25X1

TOP SECRET CHESS RUFF

25X1

**Other
Activity**

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Index

TOP SECRET CHESS RUFF

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INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS OBSERVED DURING THE SCAN OF MISSION 4010.

COMOR**INSTALLATION NAME****COORDINATES**

TYURATAM LAUNCH COMPLEX G (SITES 7,11,12)	UR 4604N 06256E
GUSEV MRBM LAUNCH SITE 2	UR 5444N 02204E
ANASTASYEVKA MRBM LAUNCH SITE 1	UR 4835N 13538E
BAYRAM-ALI IRBM LAUNCH SITE	UR 3746N 06212E
TAURAGE MRBM LAUNCH SITE 3	UR 5505N 02219E
KURDZHIPSKAYA MRBM LAUNCH SITE	UR 4431N 04000E
SHIRVANSKAYA MRBM LAUNCH SITE	UR 4425N 03954E
UKA (KAMCHATKA PEN) HEN EGG	UR 5756N 16201E
PETROPAVLOVSK-KAMCHATSKIY NAVAL B BUKHTA	UR 5255N 15830E
PETROPAVLOVSK-KAMCHATSKIY NAVAL MSL STOR	UR 5256N 15823E
PETROPAVLOVSK-KAMCHATSKIY NVL MSL SUPT	UR 5257N 15825E
VLADIVOSTOK SUBMARINE BASE ULISA BAY	UR 4304N 13155E
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	UR 4306N 13156E
TALLINN AMM/SAM LAUNCH COMPLEX	UR 5924N 02419E
ULAN-UDE SAM SITE B24-2	UR 5143N 10723E
SIAULIAI AIRFIELD	UR 5553N 02323E
SREDNIY AIRFIELD	UR 7930N 09110E
ARTEM AIRFIELD NORTH	UR 4323N 13209E
ULAN-UDE AIRCRAFT ASSEMBLY PLANT 99	UR 5151N 10744E
FU-CHIN AIRFIELD WEST	CH 4712N 13156E
LU-CHOU AIRFIELD	CH 2851N 10524E
MENG-TZU AIRFIELD WEST	CH 2324N 10319E
YIN-CHUAN AIRFIELD	CH 3830N 10608E
KUN-MING AIRFIELD	CH 2459N 10244E
VASALEMMA AIRFIELD	UR 5916N 02412E
KISKUNLACHAZA AIRFIELD	HU 4710N 01904E
GUDAUTA AIRFIELD	UR 4306N 04035E
BUDAPEST/TOKOL AIRFIELD	HU 4721N 01859E
WARSAW/BOERNEROWO AIRFIELD	PO 5216N 02055E
KHANSKAYA AIRFIELD	UR 4440N 04002E
UGLOVOYE AIRFIELD NORTHWEST	UR 4320N 13203E
FOKTO AIRFIELD	HU 4633N 01856E
PREZE AIRFIELD	AL 4125N 01944E
TIRANA AIRFIELD	AL 4120N 01947E
BELUSHYA GUBA AIRFIELD	UR 7137N 05230E
PARNU AIRFIELD	UR 5825N 02428E
ARTEM AIRFIELD NORTHWEST	UR 4322N 13209E
LU-CHOU EXPLOSIVES PLANT 23D ARSENAL	CH 2853N 10531E
VLADIVOSTOK AMMO DPO VTORAYA RECHKA	UR 4309N 13157E

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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ARTEM AMMO DEPOT UGLOVOYE	UR 4320N 13208E
UGLOVAYA ELECTRONIC SITE	UR 4324N 13211E
VENISEYSK SUSPECT TROPO SCATTER STATION	UR 5829N 09159E
CHOKURDAKH TALL KING RADAR	UR 7039N 14751E
GIZHIGA AD INSTALLATION	UR 6150N 16032E
CHIN-PING ARMY BARRACKS COMPLEX	CH 2247N 10314E
BATUMI ARMY BARRACKS EAST	UR 4139N 04139E
BATUMI ARMY BARRACKS GOGOL UL	UR 4138N 04140E
BATUMI ARMY BARRACKS WEST	UR 4138N 04137E
BAYRAM-ALI ARMY BARRACKS SOUTHEAST	UR 3737N 06210E
PALDISKI ARMY BARRACKS KLOOGA WEST	UR 5919N 02413E
GUSEV ARMY BARRACKS NORTHEAST	UR 5435N 02212E
ULAN-UDE ARMY BARRACKS UDA RIVER SOUTH	UR 5149N 10744E
ULAN-UDE BARRACKS AND HQ 71ST TANK DIV	UR 5154N 10731E
PARNU ARMY BARRACKS	UR 5822N 02433E
RIGA ARMY BARRACKS	UR 5659N 02409E
RIGA ARMY BARRACKS BUKULTI	UR 5700N 02415E
RIGA BARRACKS AND MANEUVER AREA ROPAZI	UR 5706N 02422E
SEVERO-KURILSK ARMY BARRACKS WEST	UR 5041N 15607E
SEVERO-KURILSK ARMY BARRACKS SOUTH	UR 5040N 15608E
CHERNYAKHOVSK TRAINING AREA	UR 5437N 02150E
GUSEV ARMY TRAINING AREA	UR 5437N 02215E
ULAN-UDE ARMY SUPPLY DEPOT UDA RIVER SO	UR 5149N 10741E
ULAN-UDE ARMY SUPPLY DEPOT	UR 5149N 10736E
KUN-MING COMPLEX	CH 2504N 10241E
TYUMEN COMPLEX	UR 5709N 06533E

Attachments

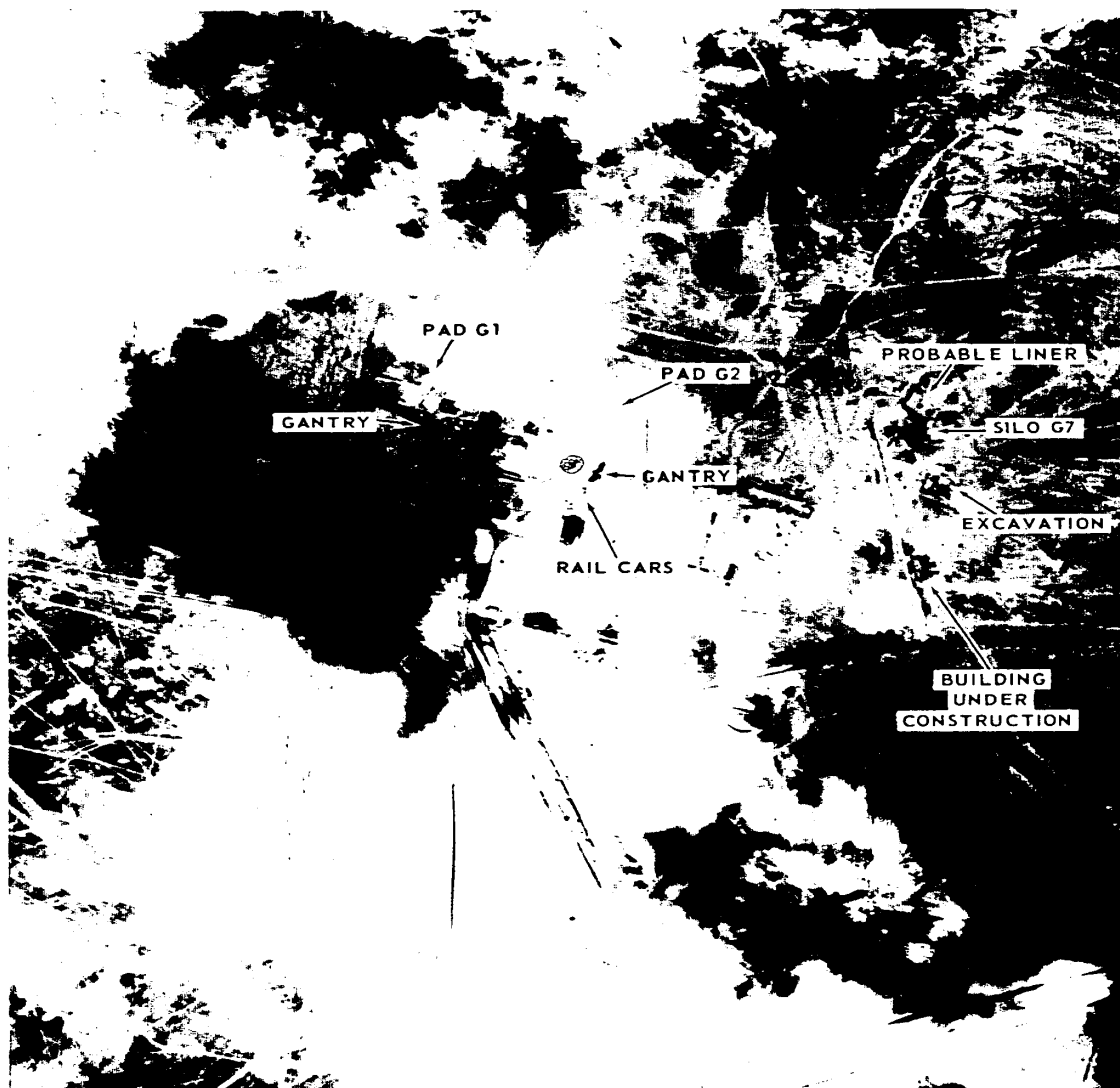
TOP SECRET CHESS RUFF

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NPIC/R-808/64

ATTACHMENT 1

25X1



NPIC J-3600 18 641

LAUNCH AREAS G1-G2 AND G7, LAUNCH COMPLEX, G, TYURATAM MISSILE TEST CENTER, USSR

TOP SECRET CHESS RUFF

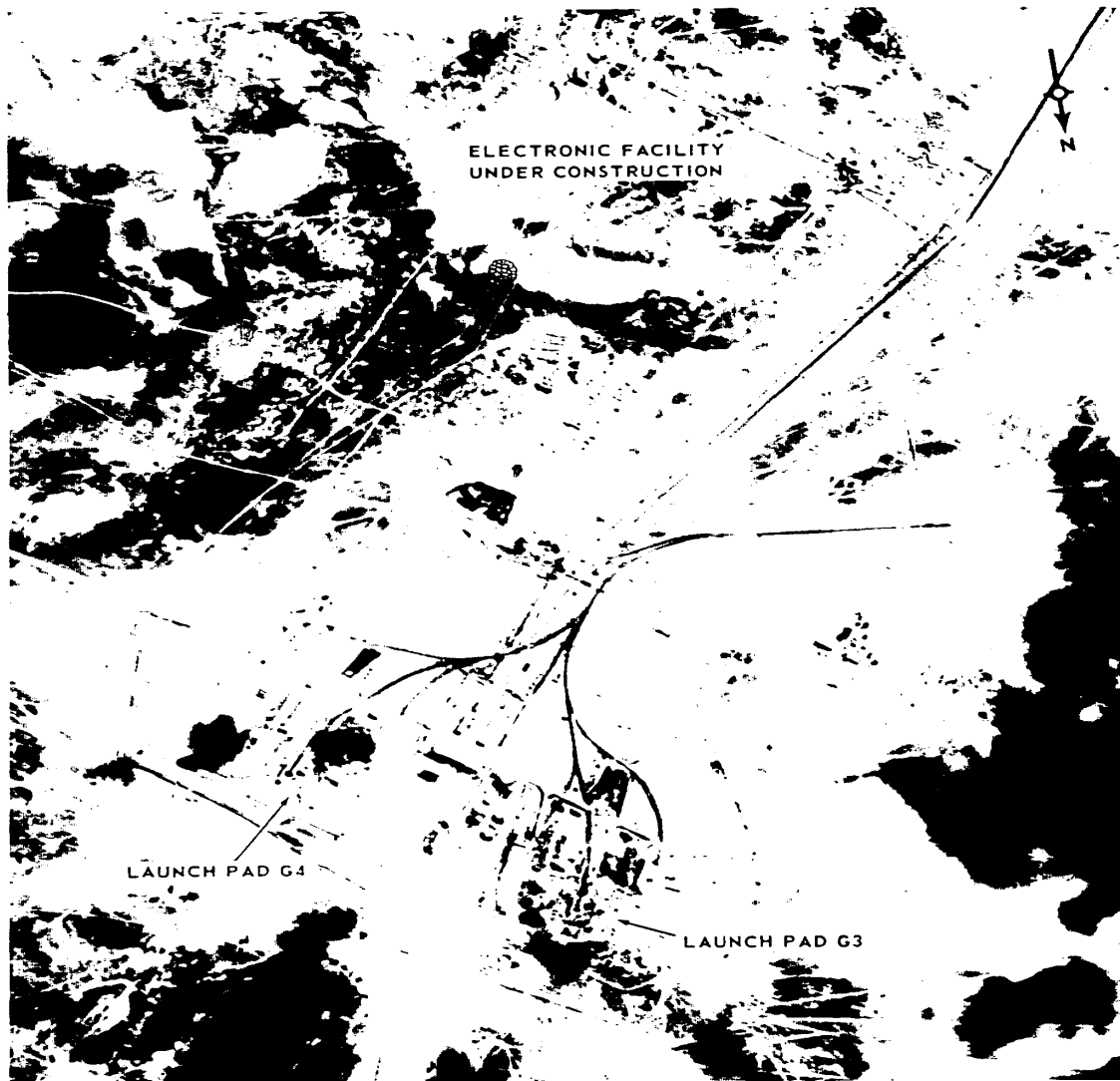
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TOP SECRET CHESS RUFF

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ATTACHMENT 2



LAUNCH AREA G3-G4, LAUNCH COMPLEX G, TYURATAM MISSILE TEST CENTER, USSR

TOP SECRET CHESS RUFF

REV 1
25X1

25X1

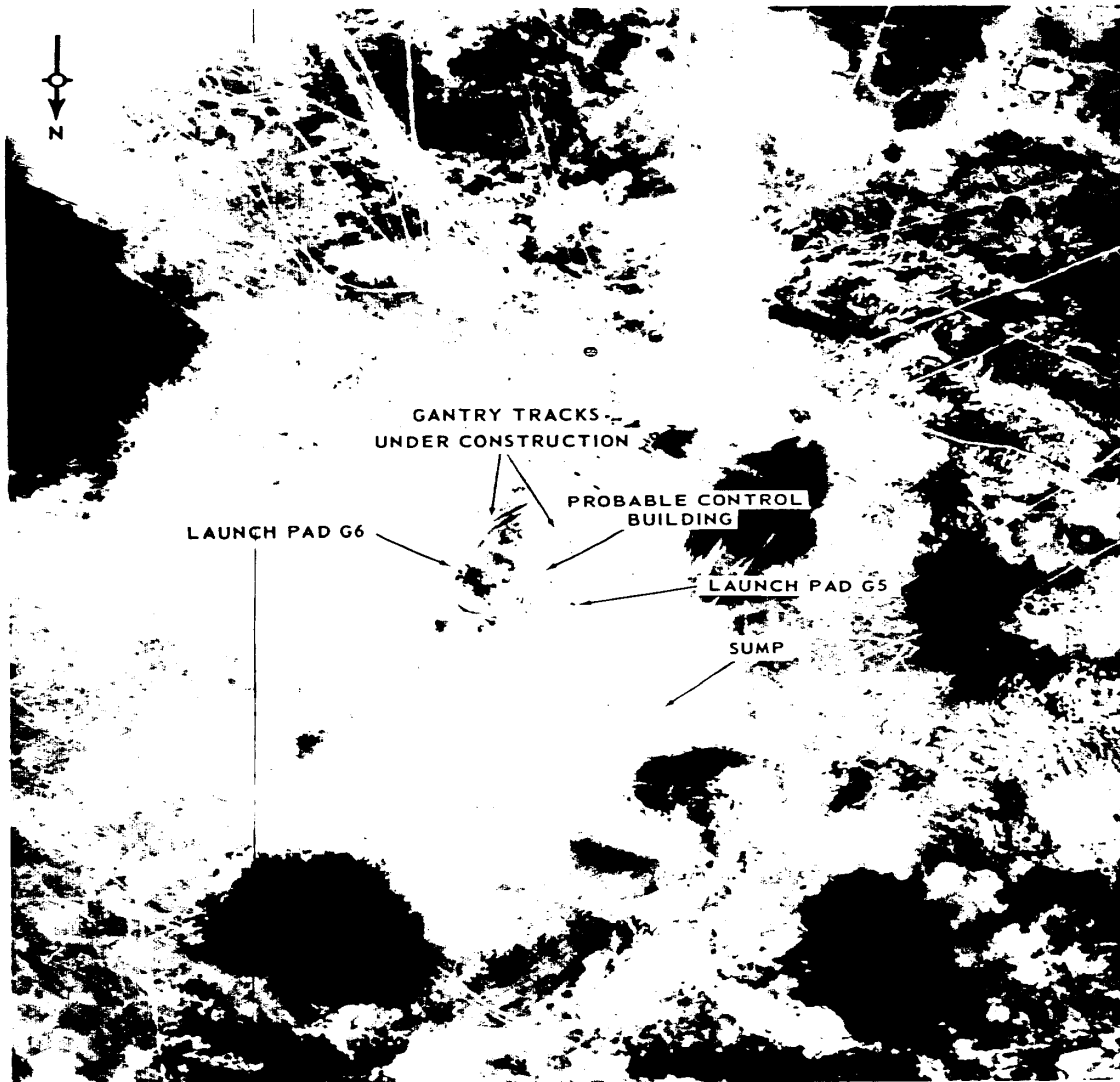
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MISSION 4010, 15-16 AUGUST 1964

NPIC/R-808/64

ATTACHMENT 3

25X1



LAUNCH AREA G5-G6, LAUNCH COMPLEX G, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-3602 8 641

TOP SECRET CHESS RUFF

25X1

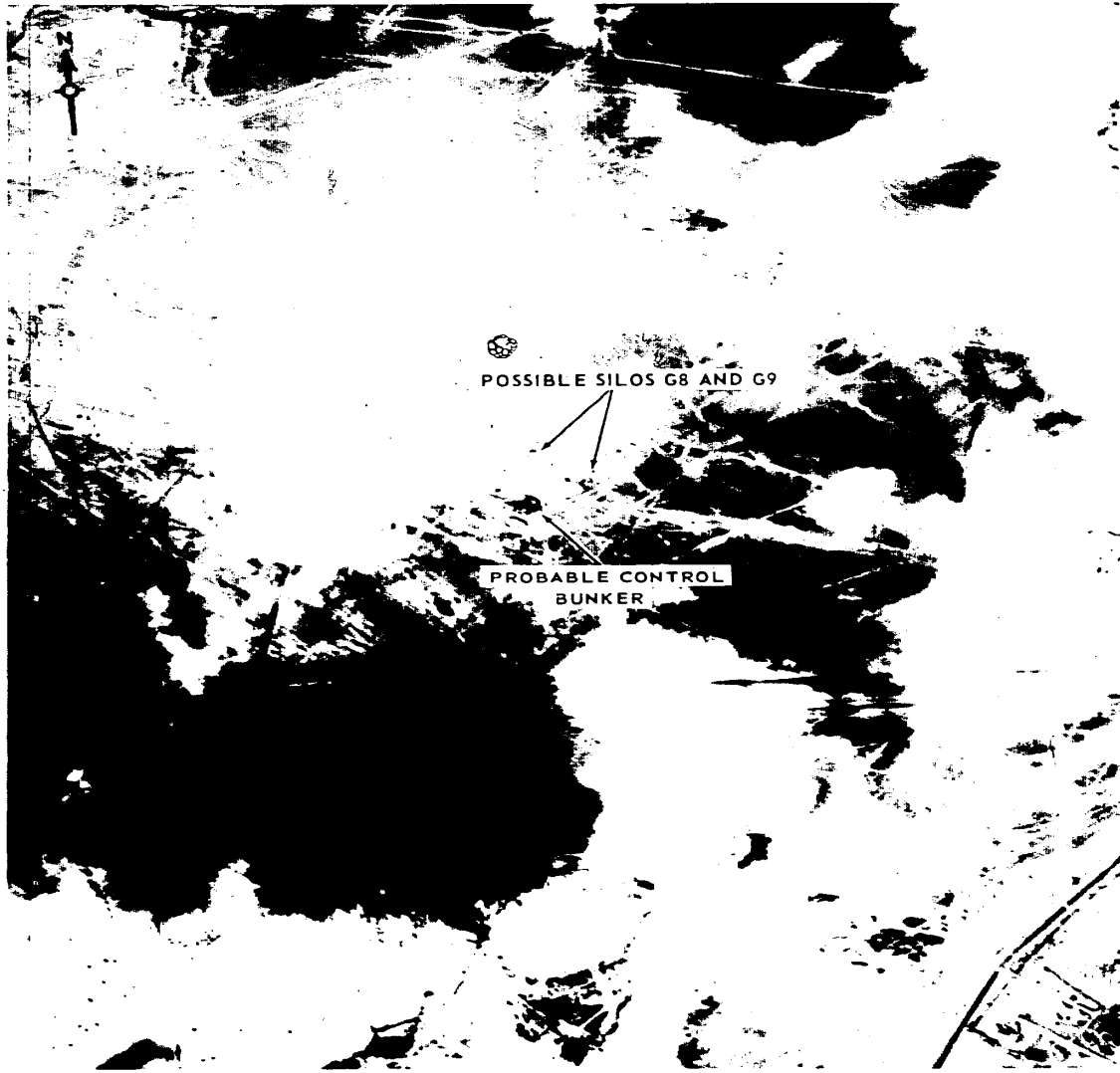
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ATTACHMENT 4

25X1



LAUNCH AREA G8-G9, LAUNCH COMPLEX G, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-3603 (8/64)

TOP SECRET CHESS RUFF

25X1

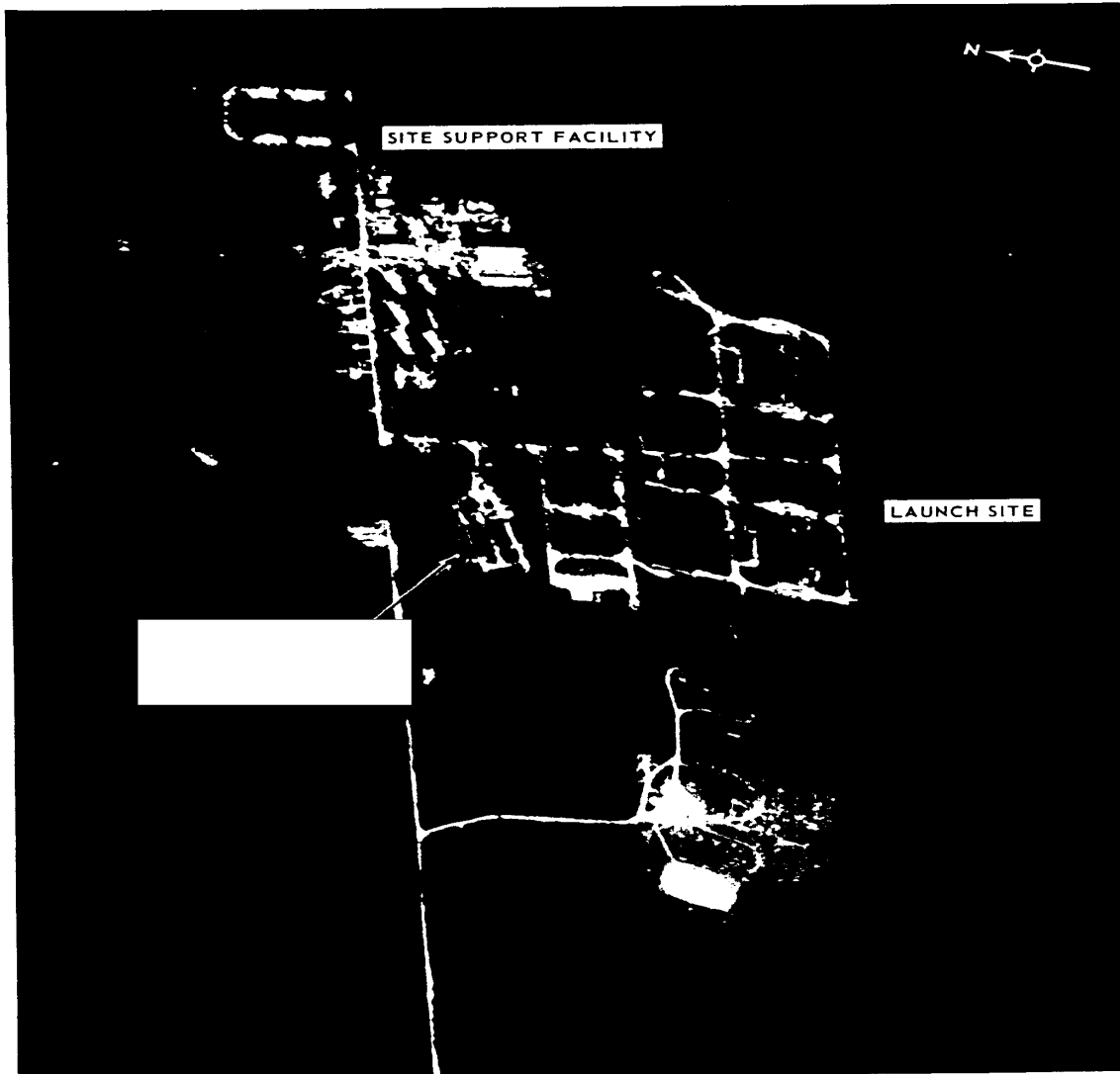
TOP SECRET CHESS RUFF

MISSION 4010, 15-16 AUGUST 1964

NPIC R-808/64

ATTACHMENT 5

25X1



MRBM LAUNCH AREA, KURDZHIPSKAYA, USSR

NPIC J-3604 18 641

25X1

TOP SECRET CHESS RUFF

25X1

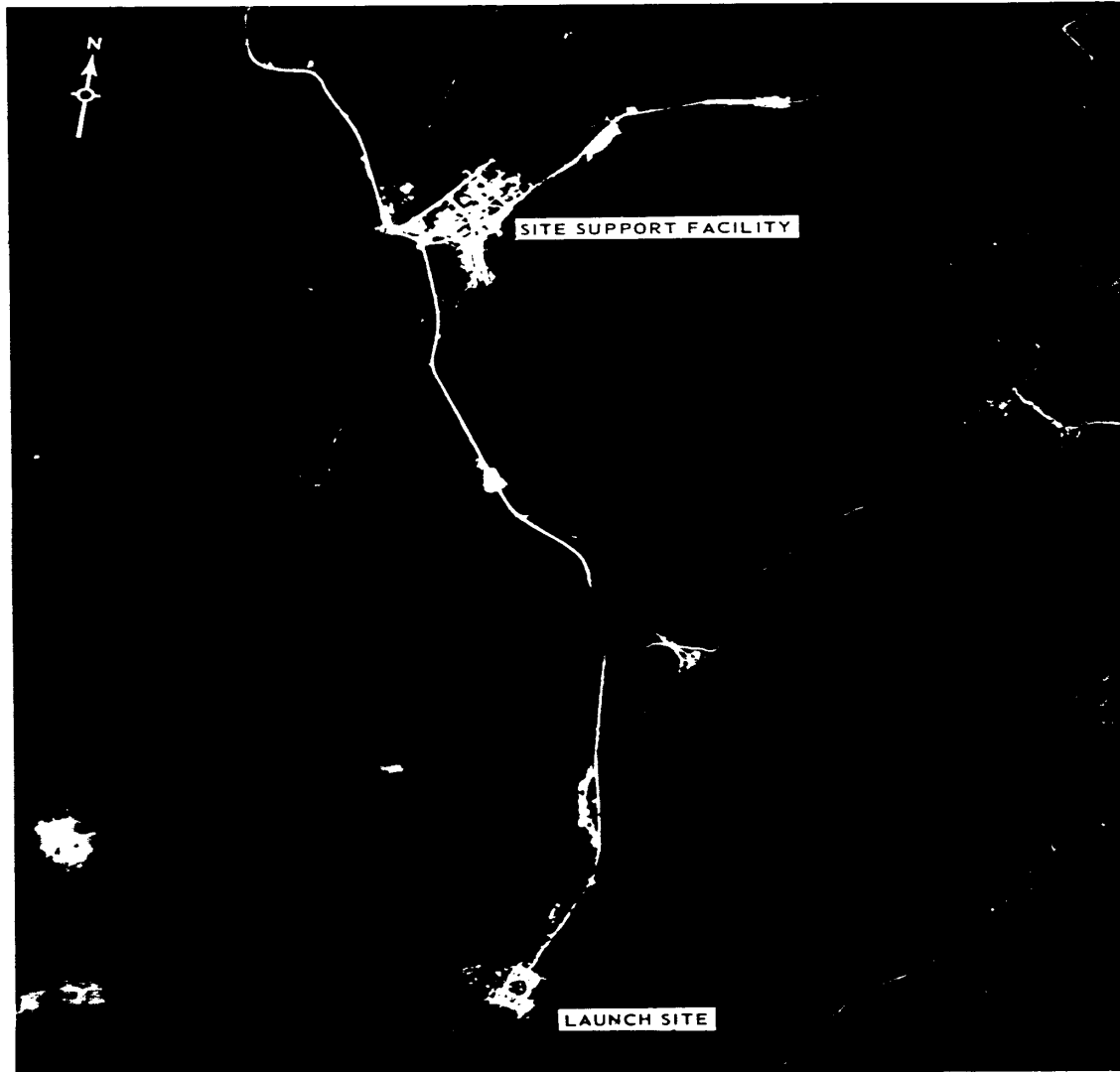
TOP SECRET CHESS RUFF

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ATTACHMENT 6

25X1



MRBM LAUNCH AREA, SHIRVANSKAYA, USSR

NPIC J-3605 (8/64)

TOP SECRET CHESS RUFF

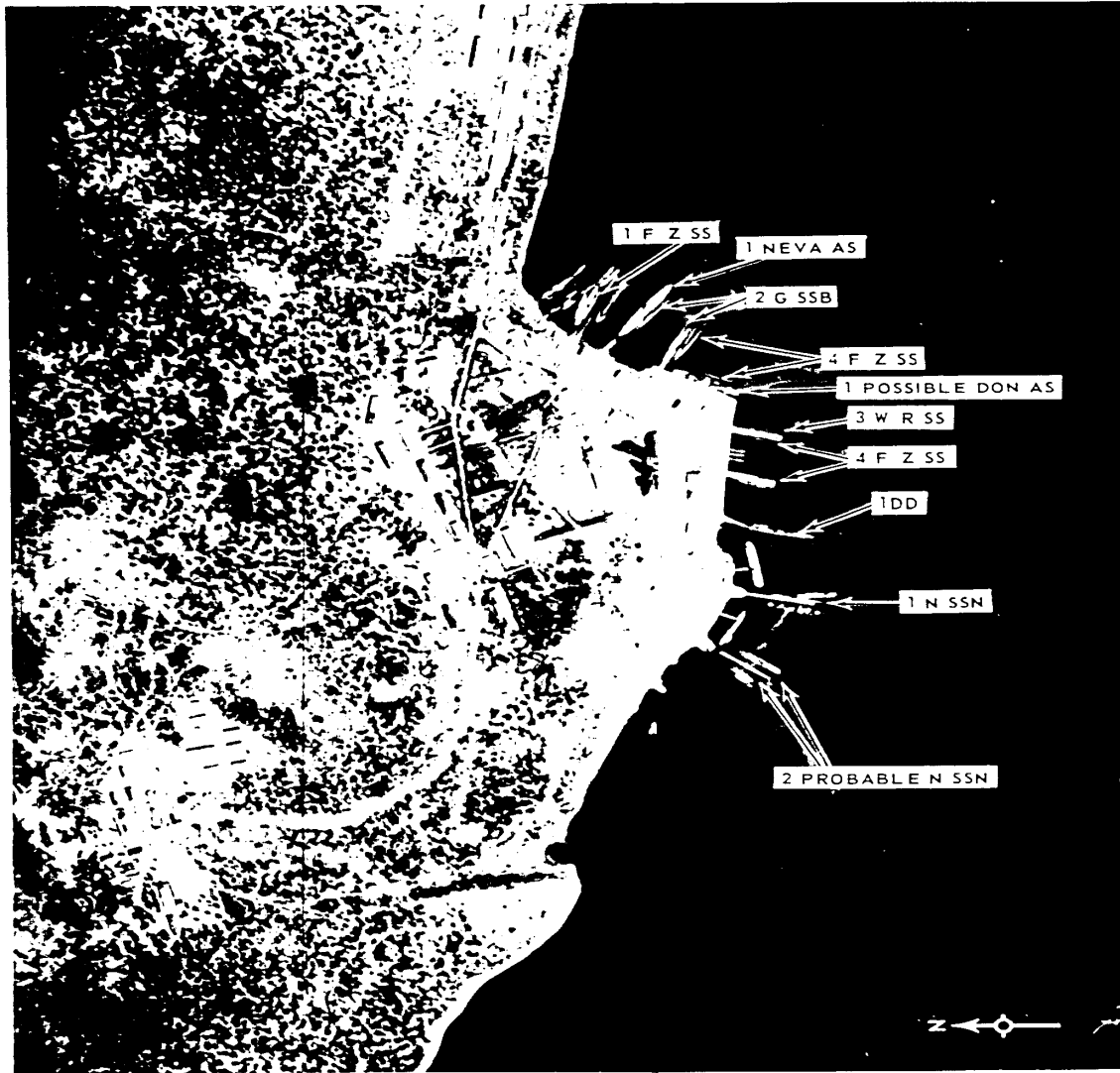
25X1

TOP SECRET CHESS RUFF

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NPIC R-808/64

ATTACHMENT 7



NAVAL BASE, BUKHTA TARYA, PETROPAVLOVSK-KAMCHATSKIY, USSR

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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ATTACHMENT 8

25X1



NAVAL BASE, SELDEVAYA BAY, PETROPAVLOVSK-KAMCHATSKIY, USSR

NPIC J-3607 (8/64)

TOP SECRET CHESS RUFF

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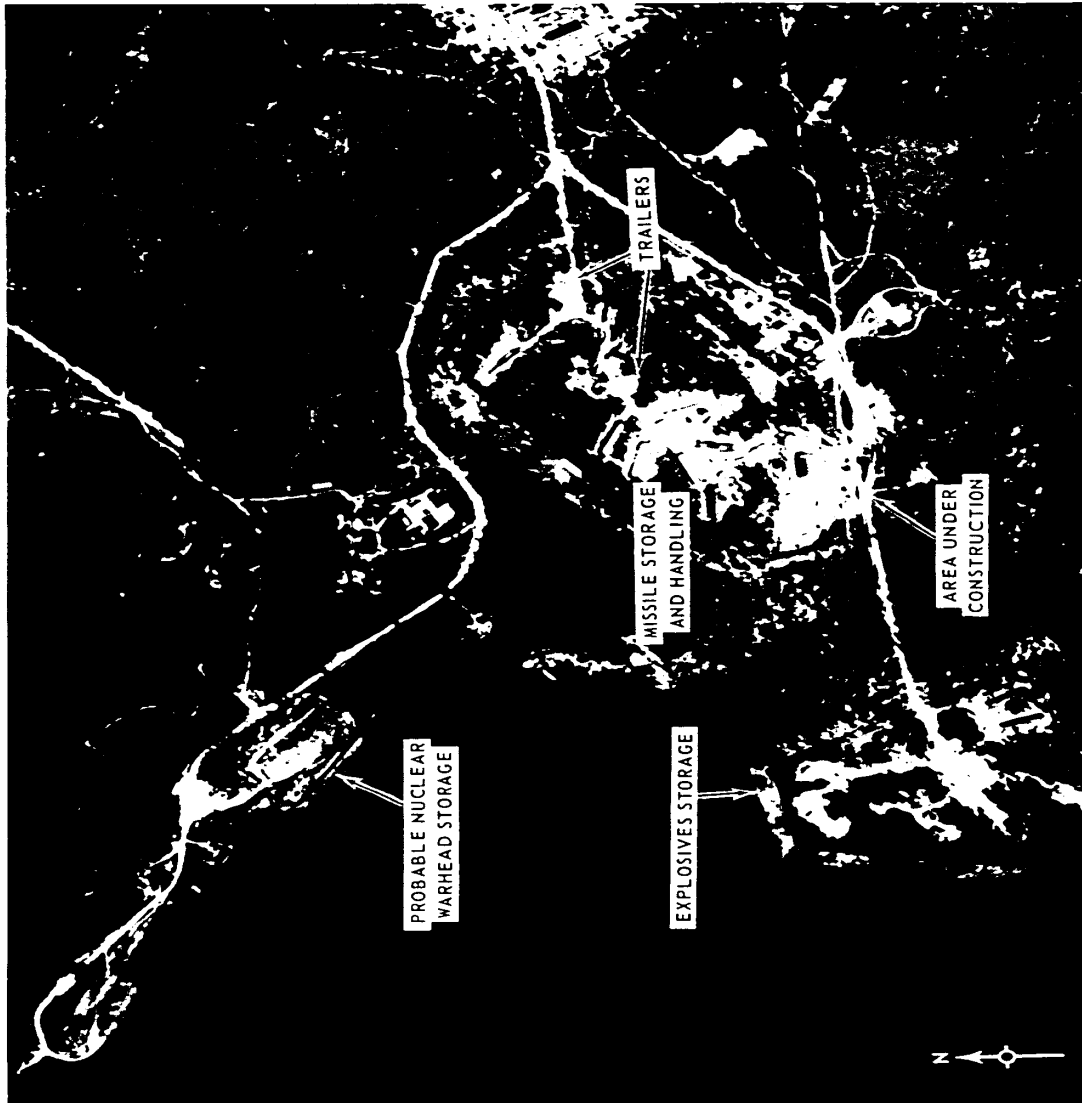
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NPIC R-808/64

ATTACHMENT 9

25X1



NAVAL MISSILE STORAGE, PETROPAVLOVSK-KAMCHATSKIY, USSR

NPIC J-3808 18/64

TOP SECRET CHESS RUFF

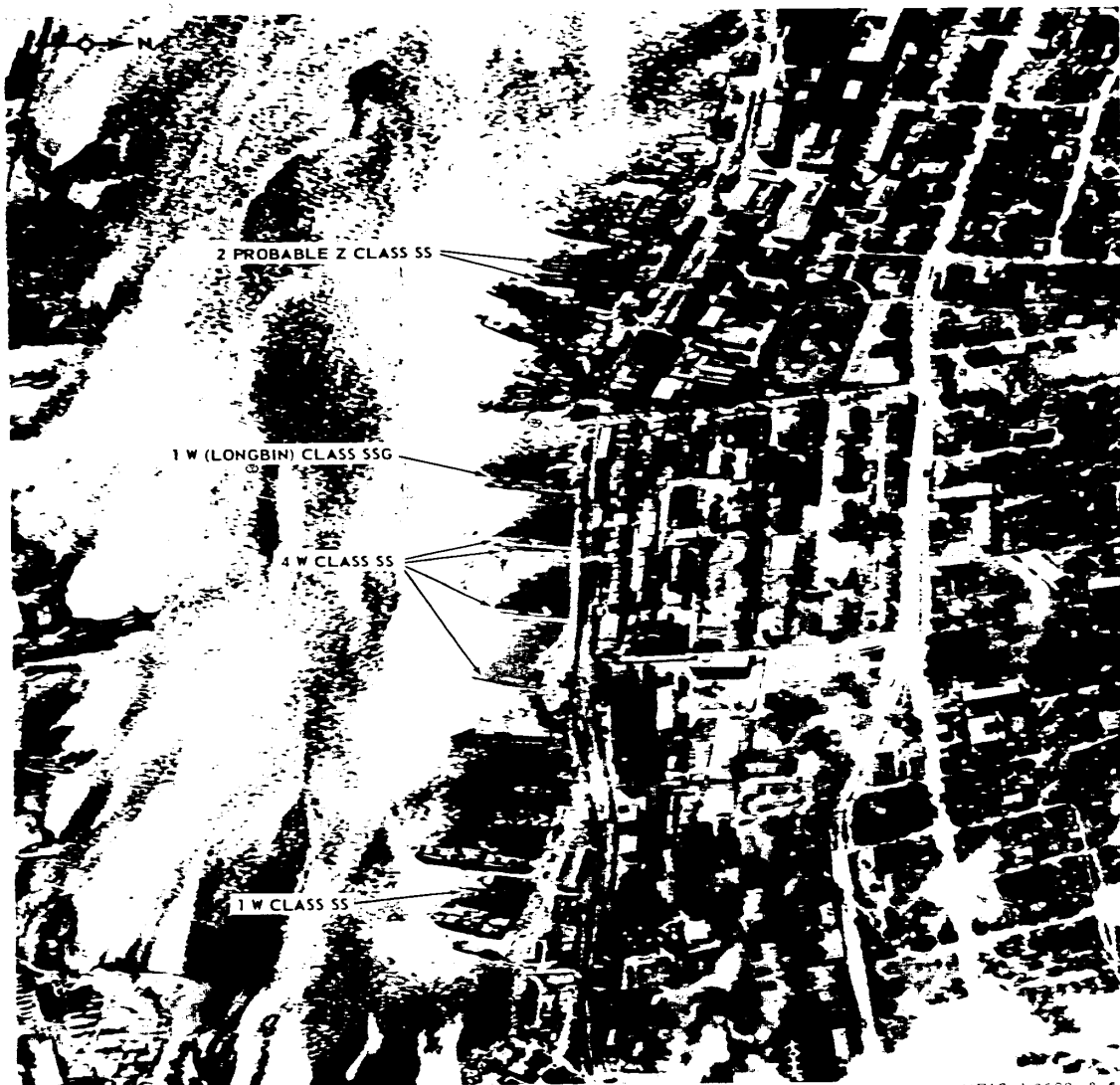
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TOP SECRET CHESS RUFF

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ATTACHMENT 10



NPIC J-3609 (8 64)

NAVAL BASE AND SHIPYARD 202 (EASTERN SECTOR), VLADIVOSTOK, USSR

TOP SECRET CHESS RUFF

25X1
2001

25X1

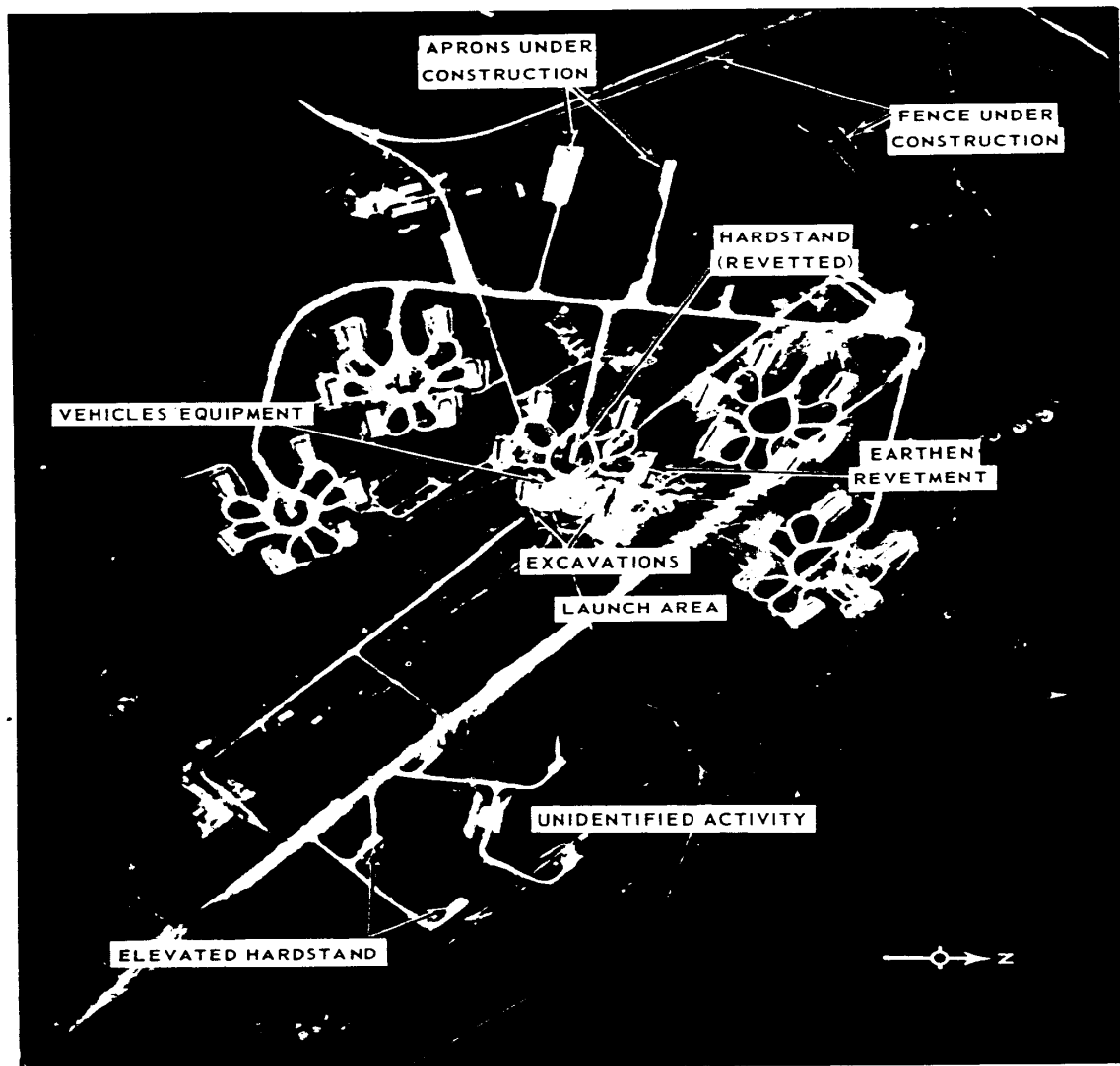
TOP SECRET CHESS RUFF

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ATTACHMENT 11

25X1



AMM SAM LAUNCH COMPLEX, TALLIN, USSR

NPIC J-3610 R 641

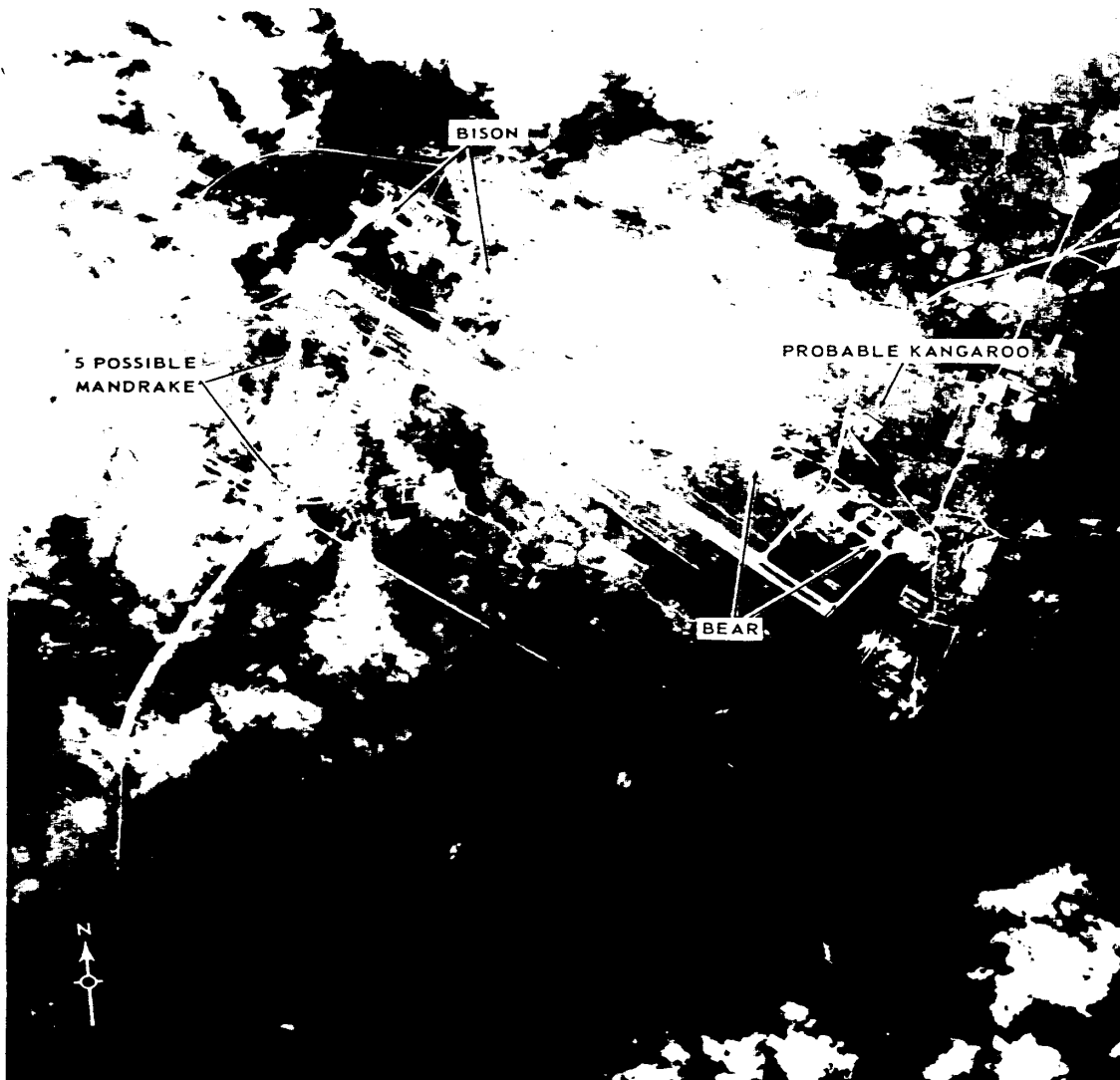
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

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ATTACHMENT 12



SIAULIAI AIRFIELD, USSR

NPIC J-3611 (8 64)

TOP SECRET CHESS RUFF

25X1X1

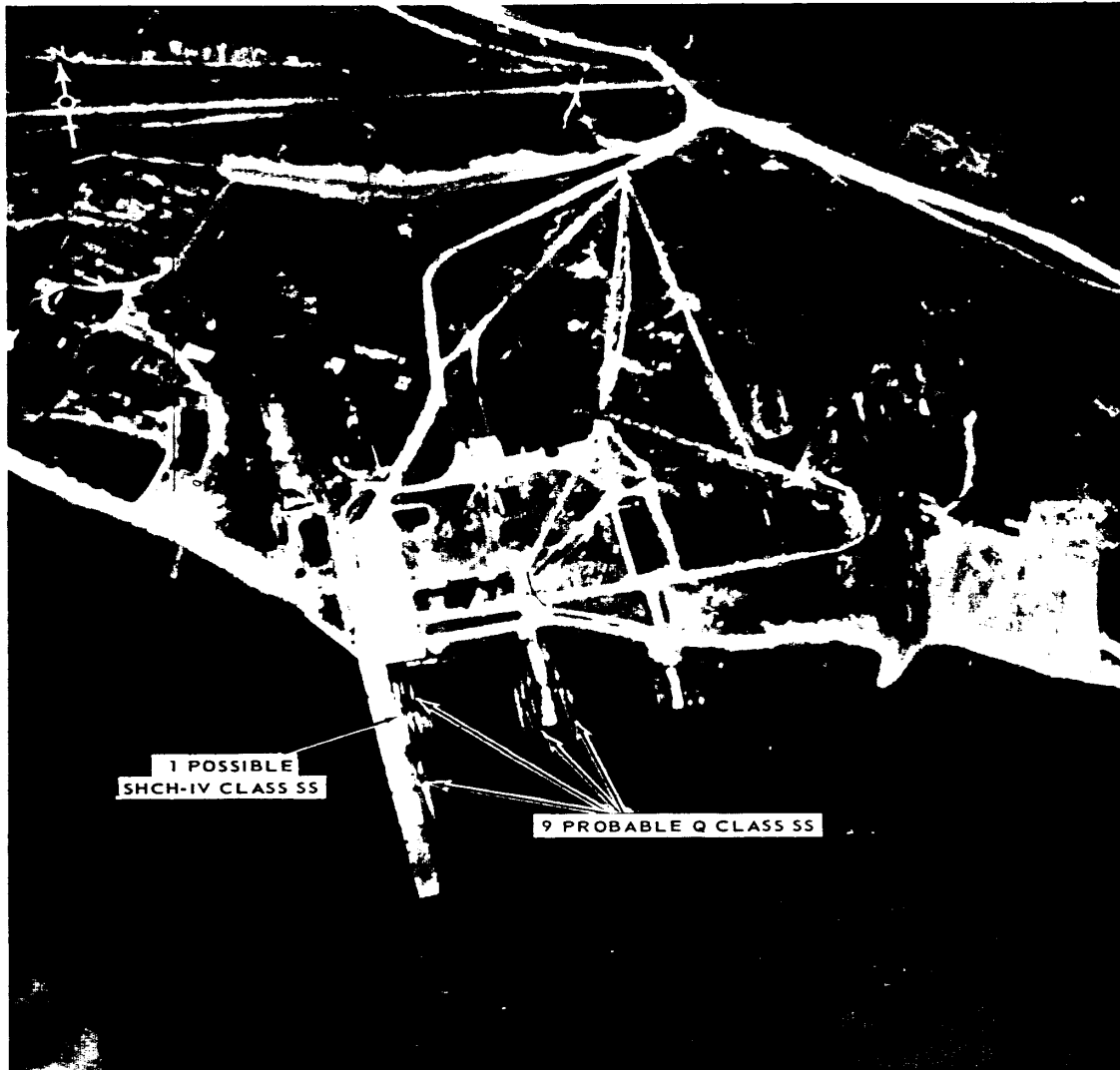
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TOP SECRET CHESS RUFF

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NPIC R-808 '64

ATTACHMENT, 13



NAVAL BASE, PALDISKI, USSR

NPIC J-2612 (B 64)

TOP SECRET CHESS RUFF

25X1

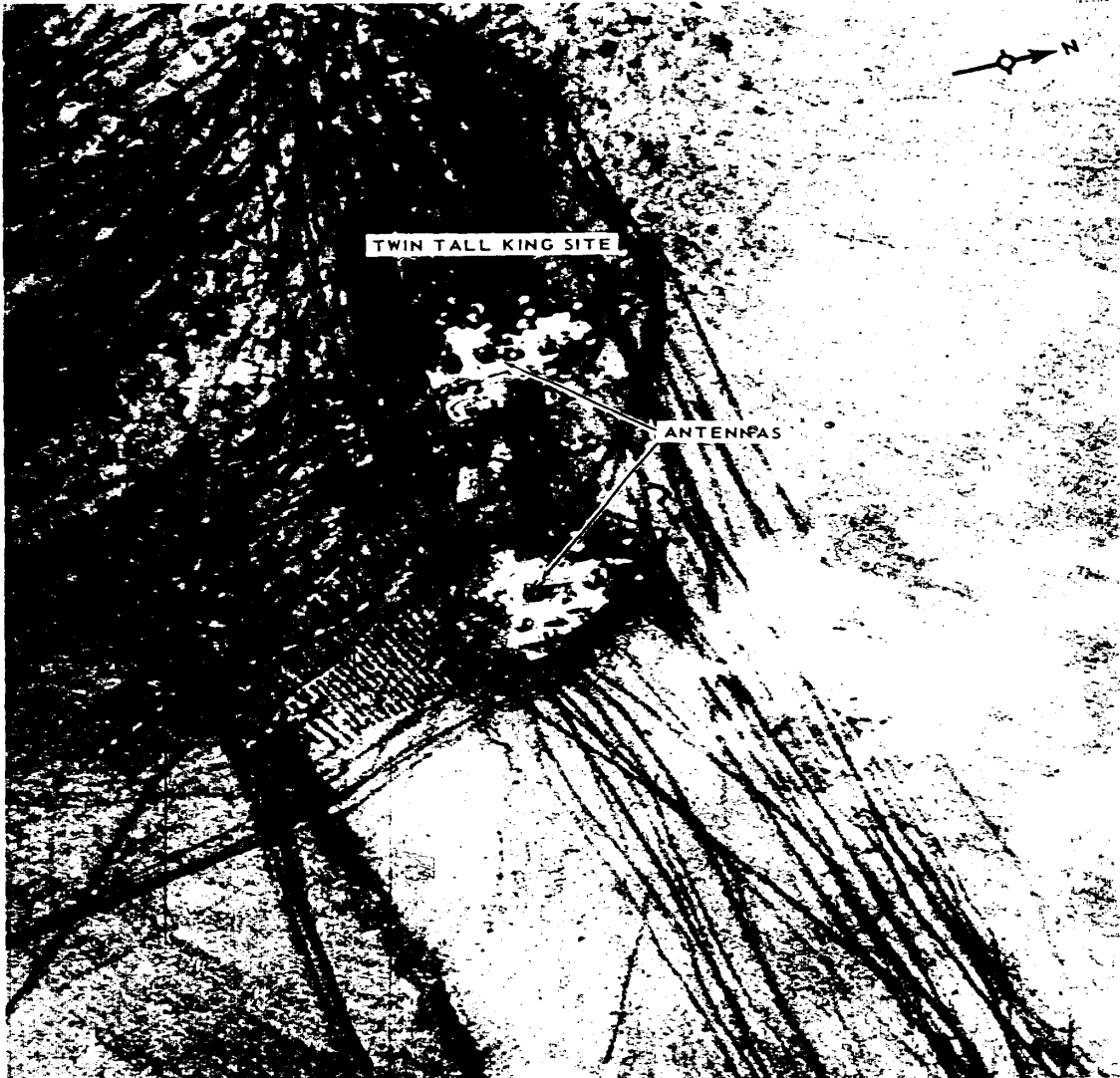
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ATTACHMENT 14



TALL KING SITE, CHOKURDAKH, USSR

NPIC J-3613 (8 64)

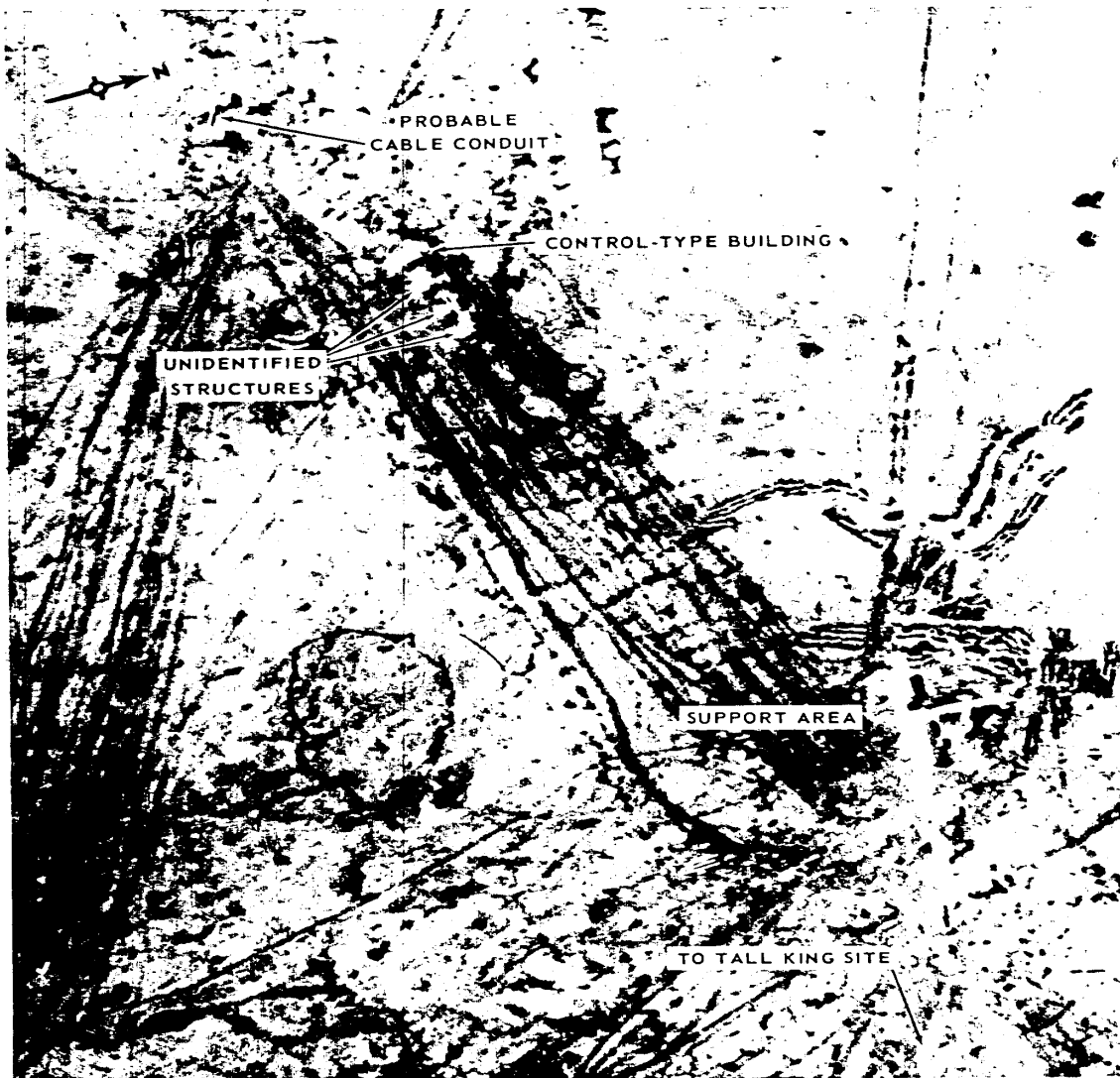
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4010, 15-16 AUGUST 1964

NFIC R-808/64

ATTACHMENT 15



UNIDENTIFIED ELECTRONIC FACILITY, CHOKURDAKH, USSR

TOP SECRET CHESS RUFF

25X1;X1

25X1

TOP SECRET CHESS RUFF

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ATTACHMENT 16

25X1



TALL KING SITE, OSTROV GOLOMYANNYY, USSR

NPIC J-3615 (8/64)

TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

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25X1

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TOP SECRET CHESS RUFF

25X1